7 Inch Wide AV System Display/DVD Player

ENGLISH

Operation Manual

AVX-P7300DVD

Pioneer

Dear Customer:

Selecting fine audio equipment such as the unit you've just purchased is only the start of your musical enjoyment. Now it's time to consider how you can maximize the fun and excitement your equipment offers. This manufacturer and the Electronic Industries Association's Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion—and, most importantly, without affecting your sensitive hearing.

Sound can be deceiving. Over time your hearing "comfort level" adapts to higher volumes of sound. So what sounds "normal" can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

To establish a safe level:

- Start your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, and without distortion.

Once you have established a comfortable sound level:

- Set the dial and leave it there.

Taking a minute to do this now will help to prevent hearing damage or loss in the future. After all, we want you listening for a lifetime.

We Want You Listening For A Lifetime

Used wisely, your new sound equipment will provide a lifetime of fun and enjoyment. Since hearing damage from loud noise is often undetectable until it is too late, this manufacturer and the Electronic Industries Association's Consumer Electronics Group recommend you avoid prolonged exposure to excessive noise. This list of sound levels is included for your protection.

Decibel

Level	Example
30	Quiet library, soft whispers
40	Living room, refrigerator, bedroom away from traffic
50	Light traffic, normal conversation, quiet office
60	Air conditioner at 20 feet, sewing machine
70	Vacuum cleaner, hair dryer, noisy restaurant
80	Average city traffic, garbage disposals, alarm clock at two feet.
THE FOLLOWING NOISES CAN BE DANGEROUS UNDER CONSTANT EXPOSURE	
90	Subway, motorcycle, truck traffic, lawn mower
100	Garbage truck, chain saw, pneumatic drill
120	Rock band concert in front of speakers, thunderclap
140	Gunshot blast, jet plane
180	Rocket launching pad

Information courtesy of the Deafness Research Foundation.

For U.S. and Canadian Models

About This Product

Video System of a Connected Component

This product is compatible with the NTSC system. When connecting other components to this product, be sure components are compatible with the same video systems. If it is not, images will not be correctly reproduced.

Precaution:

- This product is incompatible with the PAL system. Refer to "Video System of a Connected Component" on page 3 for explanation of other area models video system.

Important

The serial number of this device is located on the bottom of this product. For your own security and convenience, be sure to record this number on the enclosed warranty card.

Precaution

CAUTION: USE OF CONTROL OR ADJUSTMENT OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

CAUTION: THE USE OF OPTICAL INSTRUMENTS WITH THIS PRODUCT WILL INCREASE EYE HAZARD.

After-sales Service for Pioneer Products

Please contact the dealer or distributor from where you purchased the product for its after-sales service (including warranty conditions) or any other information. In case the necessary information is not available, please contact the companies listed below:

Please do not ship your product to the companies at the addresses listed below for repair without advance contact.

■ U.S.A.

Pioneer Electronics Service, Inc.
CUSTOMER SERVICE
DEPARTMENT
P.O. Box 1760
Long Beach, CA 90801
800-421-1404

■ CANADA

Pioneer Electronics of Canada, Inc.
CUSTOMER SATISFACTION
DEPARTMENT
300 Allstate Parkway
Markham, Ontario L3R OP2
(905) 479-4411
1-877-283-5901

For warranty information please see the Limited Warranty sheet included with your product.

IMPORTANT SAFEGUARDS

PLEASE READ ALL OF THESE INSTRUCTIONS REGARDING YOUR DISPLAY AND RETAIN THEM FOR FUTURE REFERENCE

1. Read this manual fully and carefully before operating your display.
2. Keep this manual handy for future reference.
3. Pay close attention to all warnings in this manual and follow the instructions carefully.
4. Do not allow other persons to use this system until they have read and understood the operating instructions.
5. Do not install the display where it may (i) obstruct the driver's vision, (ii) impair the performance of any of the vehicle's operating systems or safety features, including air bags, or (iii) impair the driver's ability to safely operate the vehicle.
6. As with any accessory in your vehicle's interior, the display should not divert your attention from the safe operation of your vehicle. If you experience difficulty in operating the system or reading the display, please park safely before making adjustments.
7. Do not attempt to install or service your display by yourself. Installation or servicing of the display by persons without training and experience in electronic equipment and automotive accessories may be dangerous and could expose you to the risk of electric shock or other hazards.
8. Please remember to wear your seat belt at all times while operating your vehicle. If you are ever in an accident, your injuries can be considerably more severe if your seat belt is not properly buckled.

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Before Using

Before Using This Product

About This Product

[For European models]

- This product complies with the EMC Directives (89/336/EEC, 92/31/EEC) and CE Marking Directive (93/68/EEC).

Video System of a Connected Component [For models except U.S. and Canadian models]

This product is NTSC/PAL system compatible. When connecting other components to this product, be sure components are compatible with the same video systems. If it is not, images will not be correctly reproduced.

About This Manual

We recommend that you familiarize yourself with the functions and their operation by reading through the manual before you use this product. It is especially important that you read and observe the "Precaution".

How to Use This Manual

This manual is divided into the sections shown below.

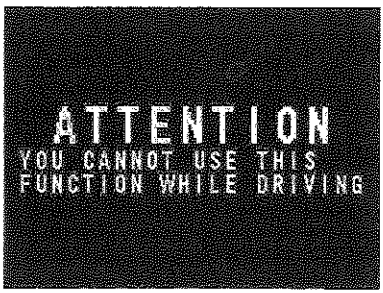
Before Using:	Explanations of operations you should perform before using this product.
Operation of the Display:	Explanations of how to use the display.
Basic Operations:	Explanations of basic audio, video and other operations.
Playback Variations:	Explanations of how to enjoy various playback modes.
Operating with Information Displays:	Explanations of how to operate this product using Information Displays.
Changing Initial Settings:	Explanations of how to use this product's SET UP MENU.
Settings the Display:	Explanations of how to use the display's setting menu.

There is an index at the edge of each page in this manual.
Each section's heading is printed vertically at the top of the left hand page. Each section's heading is also printed vertically at the edge of the right hand page, together with indications of the discs the explanations apply to.
Please use these handy headings and indications when searching for information.

To Ensure Safe Driving

> **⚠ WARNING**
>
> - To avoid the risk of accident and the potential violation of applicable laws, this product is not for use with a video screen that is visible to the driver.
> - In some countries or states the viewing of images on a display inside a vehicle even by persons other than the driver may be illegal. Where such regulations apply, they must be obeyed.

To ensure safe vehicle operation, complicated functions are not operable during driving. If any of these complicated functions are selected while driving, "YOU CANNOT USE THIS FUNCTION WHILE DRIVING" is temporarily displayed on the display. To use these functions, please stop your vehicle and engage the parking brake.



When Using a Display connected to Rear Video Output

This product's Rear video output is for connection of a display to enable passengers in the Rear seats to watch the DVD or Video CD.

> **⚠ WARNING**
>
> - NEVER install the display in a location that enables the Driver to watch the DVD or Video CD while Driving.

Precaution

- Keep this manual handy as a reference for operating procedures and precautions.
- Always keep the volume low enough for outside sounds to be audible.
- Protect the product from moisture.
- If the battery is disconnected, the preset memory will be erased and must be reprogrammed.

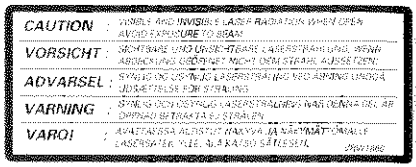
CAUTION [For European models]
This product contains a laser diode of higher class than 1. To ensure continued safety, do not remove any covers or attempt to gain access to the inside of the product.
Refer all servicing to qualified personnel.

The following caution label appears on your unit.

Location: on the bottom of the unit

En

On the bottom of the player.



Be Sure to Adjust Picture Brightness

Although the angle at which the LCD can be positioned and viewed clearly is limited because of its design, visibility can be improved by adjusting the pictures brightness. When first using the display, adjust the picture to a brightness that allows clear visibility at the angle of use. (Refer to page 57.)

In Case of Trouble

Should this product fail to operate properly, contact your dealer or nearest authorized Pioneer Service Station.

Preventing the Battery from Becoming Exhausted

When using this product, be sure your car engine is running. If you use this product when your engine is not running, the battery will become exhausted.

Condition Memory

This function memorizes audio language, subtitle language, angle number, audio output (L, R) and aspect ratio made during disc playback for up to 30 discs. Without any special operations, the final setting details during playback of a disc are memorized. The next time a disc is played, the previous settings are automatically applied.

Note:

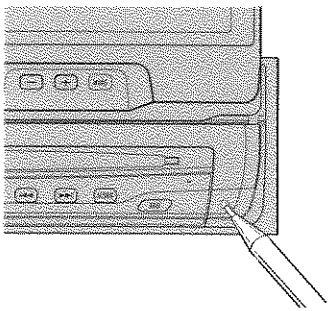
- With some discs, audio language and subtitle language are automatically specified, in which case condition memory does not function.
- When the number of discs exceeds 30, settings for the latest disc replace those for the least recent disc.

Resetting the Microprocessor

When the ignition switch is turned OFF, pressing the RESET button lets you reset the microprocessor to its initial settings without changing SET UP MENU settings, Condition Memory and other settings.
Press the RESET button in the following cases.

- When this unit fails to operate correctly.
- When strange (incorrect) messages appear on the display.

Resetting



1 Turn the ignition switch OFF.

2 Press the RESET button.
Use a pen tip or other pointed instrument.

Note:

- After completing connections or when you want to erase all memorized settings or return the unit to its initial (factory) settings, switch your engine ON or set the ignition switch to ACC ON before pressing the RESET button.

Discs Compatible with this Product

Features of This Player

Compatible with DVD, Video CD and CD Formats

DVD, Video CD and CD discs that display the logos shown below can be played back on this player. For more information on discs compatible with this player, refer to the table below.

Disc types and logos	Diameter/Playable sides		Playback time
DVD VIDEO	DVD VIDEO		Digital audio/Digital video (MPEG 2)
	12 cm (5 in.)/single-sided	1 layer	133 min.
		2 layer	242 min.
	12 cm (5 in.)/double-sided	1 layer	266 min.
		2 layer	484 min.
	DVD VIDEO		Digital audio/Digital video (MPEG 2)
	8 cm (3 in.)/single-sided	1 layer	41 min.
		2 layer	75 min.
	8 cm (3 in.)/double-sided	1 layer	82 min.
		2 layer	150 min.
VIDEO CD	VIDEO CD 12 cm (5 in.)/single-sided		Digital audio/Digital video (MPEG 1) Max. 74 minutes
	VIDEO CD single 8 cm (3 in.)/single-sided		Digital audio/Digital video (MPEG 1) Max. 20 minutes
CD	CD 12 cm (5 in.)/single-sided		Digital audio Max. 74 minutes
	CD single 8 cm (3 in.)/single-sided		Digital audio Max. 20 minutes

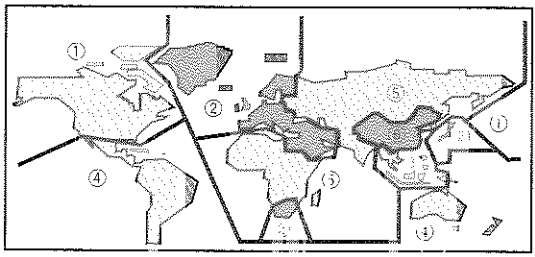
The disc format logos shown above are found on disc labels or on disc jackets.

Note:

- With some DVD-Video discs, you may not be able to use certain functions.
- Playback of some DVD-Video discs may not be possible.
- With DVD-R/DVD-RW discs, only recordings made in the Video format (Video mode) can be played back. DVD-RW discs recorded in the Video Recording format (VR mode) cannot be played back.
- Even with DVD-R/DVD-RW discs featuring recordings made in the Video format (Video mode), playback may not be possible with this product due to disc characteristics or scratches or dirt on the disc. Dirt or condensation on the lens inside this product may also prevent playback.
- Playback of CD-R/RW and DVD-R/RW discs that have not been finalized is not possible.
- Playback of discs recorded with a PC using the correct format is possible, but depending on the application software settings, environment and other factors, playback may not be possible. (For details, inquire at the store or dealer's where you purchased the application software.)
- Playback of CD-TEXT discs is possible, but display of titles and other information is not possible.
- CD-Extra discs can be played back as music CDs.

Precaution:

- Playback of DVD-Audio and CD-ROM discs is not possible. This player can only playback discs bearing the marks shown on page 7.
- **DVDs that have incompatible region numbers (see page 70) cannot be played on this player. The region number of the player can be found on the top of this product. The illustration below shows the regions and corresponding region numbers.**



- Normal playback of CD-R/CD-RW discs other than those recorded with a music CD recorder may not be possible.
- Playback of music CD-R/CD-RW discs, even those recorded with a music CD recorder, may not be possible with this product due to disc characteristics or scratches or dirt on the disc. Dirt or condensation on the lens inside this product may also prevent playback.
- If you insert a CD-RW disc into this product, time to playback will be longer than when you insert a conventional CD or CD-R disc.
- Read the precautions with the CD-R/CD-RW discs before using.

What the Marks on DVDs Indicate

The marks below can be found on DVD disc labels and packages. They indicate the type of images and audio recorded on the disc, and the functions you can use.

Mark	Meaning
2	Indicates the number of audio systems.
2	Indicates the number of subtitle languages.
3	Indicates the number of viewing angles.
16 : 9 LB	Indicates the picture size (aspect ratio: screen width-to-height ratio) type.
2 4	Indicates the number of the region where playback is possible.

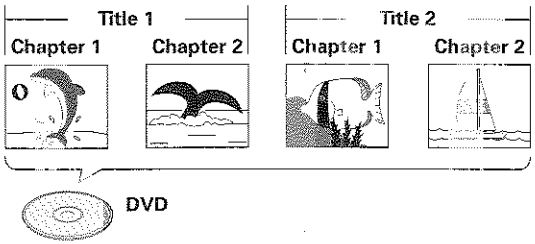
■ Disc Operation

With some DVDs, depending on the intentions of the disc's producer, certain operations may be prohibited. Also, with discs enabling menu operation and two-way operation during playback, the way titles and chapters are organized may prevent certain operations such as Repeat play.
If this happens with this player, the prohibited mark "⃠" is displayed.
The prohibited mark "⃠" may not appear on some discs.

Disc Organization

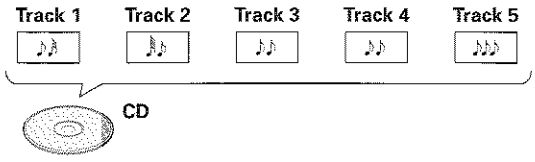
DVD

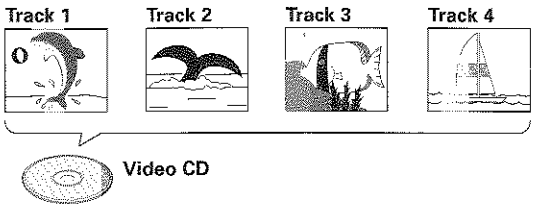
On DVD-Video discs, the contents are divided into titles which are in turn divided into chapters.
With video material, a single work (movie etc.) usually corresponds to a single title, with different scenes corresponding to separate chapters. With karaoke discs, one song corresponds to one title.
However, some discs are not organized like this, so bear this in mind when using the Search function.



Video CD and CD

On CDs and Video CDs, the contents are divided into tracks. One track usually corresponds to one song. On some discs, tracks may also feature an index.
With Video CDs featuring PBC (Playback Control), you can use a menu to perform playback operations. It may not be possible to use functions such as Repeat and Search.





Main Features of This Product

You can play back DVDs, Video CDs (PBC compatibility) and CDs.

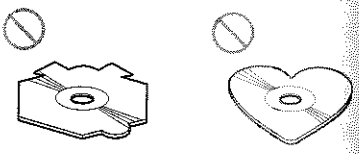
Repeat Play	You can enjoy different kinds of repeat play.
Still Image & Frame-By-Frame Playback	You can view still images or playback of one frame at a time.
Slow Motion Playback	Slow motion playback is possible.
Multi-Aspect	Switching between Wide screen, Letter box and Panscan display is possible.
Multi-Audio	You can switch between multiple audio systems recorded on a DVD as desired.
Multi-Subtitle	You can switch between multiple subtitle languages recorded on a DVD as desired.
Multi-Angle	You can switch between multiple viewing angles of a scene recorded on a DVD as desired.
Video CDs featuring PBC Compatibility	You can play back Video CDs featuring PBC (Playback Control).
Parental Lock	You can use this to prevent your children viewing violent or adult oriented scenes.
Dolby Digital*/DTS Compatibility (When combining the product with a Pioneer Multi-Channel AV Master Unit such as the AVM-P9000R or AVM-P9000)**	When using this product with a Pioneer Multi-Channel AV Master Unit, you can enjoy the atmosphere and excitement provided by DVD movie and music software featuring 5.1 channel recordings.

* Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories. Confidential unpublished works.
© 1992-1997 Dolby Laboratories. All rights reserved.
**"DTS" is a trademark of Digital Theater Systems, Inc.

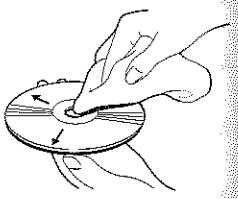
This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners.
Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Care of Discs

Precaution



- This product is designed for use with conventional, fully circular discs only. Use of shaped discs are not recommended for this product.
- Check all discs before playing and discard cracked, scratched or warped discs.
- Wipe dirty or damp discs outward from the center with a soft cloth.
- Avoid touching the recorded (iridescent) surface when handling discs.



- Store discs in their cases when not in use.
- Keep discs out of direct sunlight and high temperatures.
- Do not affix labels or apply chemicals to discs.
- Condensation may collect inside the player when using the heater in cold weather, interfering with playback. Turn it off for an hour or so and wipe damp discs with a soft cloth.
- Road shocks may interrupt disc playback.
- Never insert anything other than discs. Do not attach a label or tape to a disc.
- The use of benzine, thinner, insecticide, or other volatile chemicals may damage the disc surface.

Detaching and Replacing the Front Panel

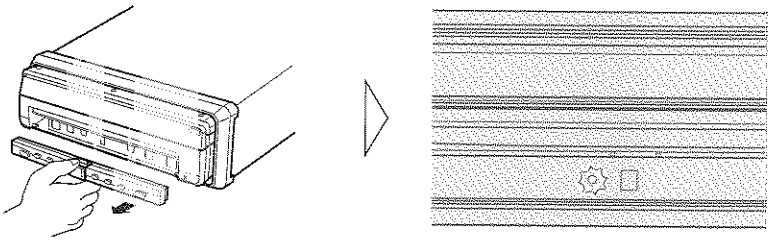
Theft Protection

The front panel of this product is detachable to discourage theft.

When the front panel is detached, this product will not be operable as the front panel contains the Signal receptor and OPEN/CLOSE button that are necessary for operation.

Detaching the Front Panel

- **Eject the front panel.**



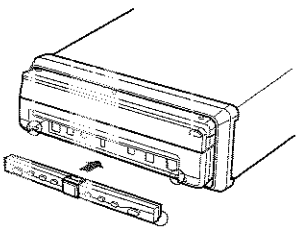
The LED indicator will flash while the front panel is being detached.

Note:

- Take care not to grip it too tightly or drop it.

Replacing the Front Panel

- **Replace the front panel by clipping it into place.**



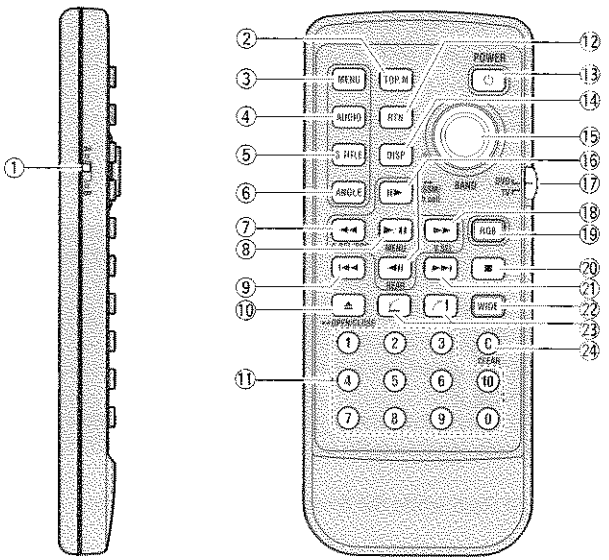
Align the groove on the bottom of the front panel with the guide on the main body, and clip in.

Precaution:

- When replacing the front panel, avoid pressing any of the buttons.
- Avoid subjecting the front panel to excessive shocks.
- Keep the front panel out of direct sunlight and high temperatures.

Key Finder

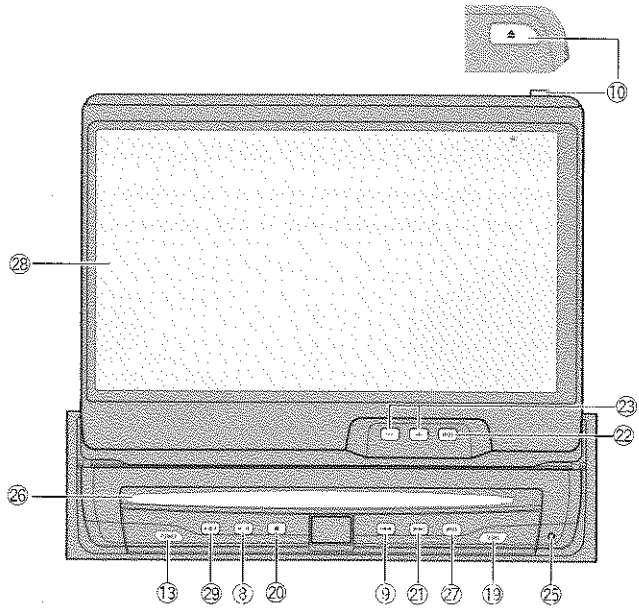
Remote Controller



① Remote control code selection switch (For details, see page 54.)
② TOP MENU button
③ MENU button
④ AUDIO button
⑤ SUBTITLE button
⑥ ANGLE button
⑦ REVERSE (◄◄) button
⑧ PLAY/PAUSE (►/II) button
⑨ PREVIOUS (I◄◄) button
⑩ OPEN/CLOSE (≜) button
⑪ Number buttons
⑫ RETURN button
⑬ POWER button
⑭ DISPLAY button
⑮ Joystick
⑯ STEP (◄II)/(II►) buttons
⑰ Remote control operation mode switch (For details, see page 16.)
⑱ FORWARD (►►) button
⑲ RGB button
⑳ STOP (■) button
㉑ NEXT (►►I) button
㉒ WIDE button
㉓ ANGLE (⊿)/(⌐I) buttons
㉔ CLEAR button
㉕ RESET button
㉖ Disc loading slot
㉗ V.SOURCE button
㉘ Display
㉙ Eject button

This Product

The following diagram shows the display when it is deployed.



Note:

- This product plays one standard 12 cm (5 in.) or 8 cm (3 in.) single disc at a time. Do not use an adapter when playing 8 cm (3 in.) disc.
- Do not insert anything into the Disc Loading Slot other than discs that are compatible with this product.
- The DVD function can be turned ON/OFF with the disc remaining in this product. (Refer to page 23.)
- A disc left partially inserted after ejection may incur damage or fall out.

Using the Remote Controller

This product is equipped with a remote controller for convenient operation.

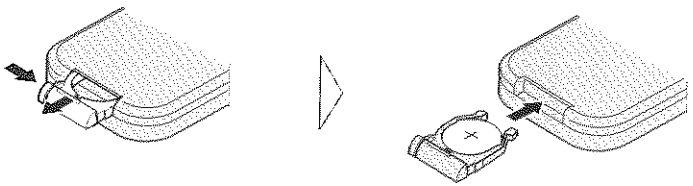
- Point the controller in the direction of the unit to operate.

Precaution:

- Do not store the remote controller in high temperatures or direct sunlight.
- The controller may not function properly in direct sunlight.
- Do not let the remote controller fall onto the floor, where it may become jammed under the brake or accelerator pedal.

Battery

- **Slide the tray out on the back of the remote controller and insert the battery with the (+) and (–) poles pointing in the proper direction.**



Note:

- When using for the first time, pull out the film protruding from the tray.

Replacing the Lithium Battery:

- Use only lithium battery "CR2025", 3 V.

Precaution:

- Remove the battery if the remote controller is not used for a month or longer.
- If the event of battery leakage, wipe the remote controller completely clean and install a new battery.

⚠ WARNING:

- Keep the lithium battery out of reach of children. Should the battery be swallowed, immediately consult a doctor.

⚠ CAUTION:

- Do not recharge, disassemble, heat or dispose of battery in a fire.
- Use a CR2025 (3 V) lithium battery only. Never use other types of battery with this unit.
- Do not handle the battery with metallic tools.
- Do not store the lithium battery with metallic materials.
- When disposing of used batteries, please comply with governmental regulations or environmental public institution's rules that apply in your country/area.
- Always check carefully that you are loading the battery with its (+) and (–) poles facing in the proper directions.

Switching the Remote Control Operation Mode Switch

When using this product with a separately sold TV or display, you can use the supplied remote controller to perform some TV or display operations. To operate the TV or display, set the remote control operation mode switch to "TV". To operate this product, set the switch to "DVD". (See page 13.)

Function Compatibility Charts

Functions that can be operated differ depending on the TV or display. Refer to the following chart before operating.

Button Number	Button Name	Model Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ
⑦	A.SEL button	—	—	—	—	—	○
⑧	MENU button	○	—	—	—	—	○
⑩	OPEN/CLOSE button	—	○	○	○	○	—
⑮	BAND button	○	—	—	—	—	○
⑯ (upper)	BSSM button	—	—	—	—	—	○
⑯ (lower)	REAR button	—	—	—	—	—	○
⑱	V.SEL button	○	—	—	—	—	○
⑲	RGB button	—	—	○	—	○	—
㉒	WIDE button	○	○	○	○	○	—
㉓	ANGLE button	—	○	○	○	○	—

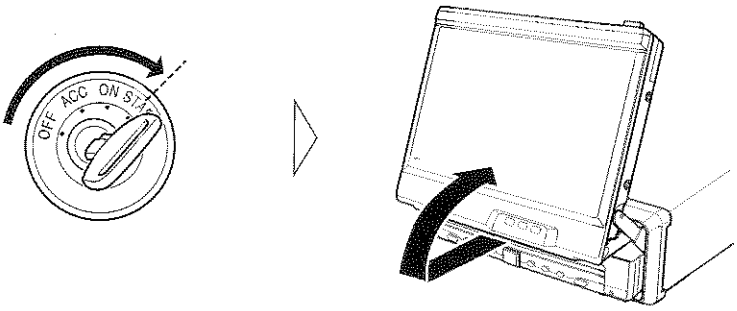
Model

Ⓐ:AVD-W8000*　Ⓑ:AVX-7000　Ⓒ:AVX-7300
Ⓓ:AVX-P7000CD　Ⓔ:AVX-P7300DVD　Ⓕ:GEX-P7000TV

* Only when the front mode is selected.

Deploying the Display

- **Turn your vehicle's engine ON.**



The display will be automatically deployed by the automatic close/open mode.

If the display is not automatically deployed, press the OPEN/CLOSE button.

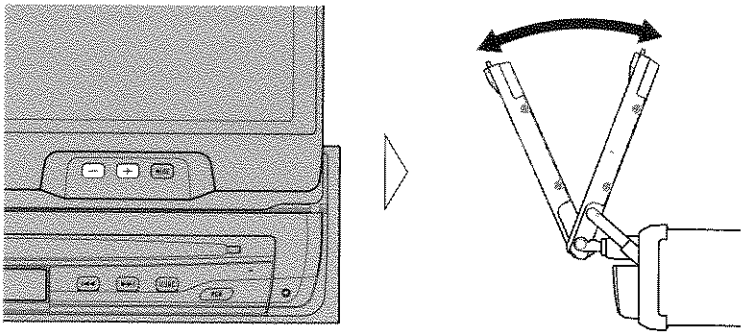
Note:

- The automatic close/open mode will operate the display as follows.
  * When the ignition switch is turned OFF while the display is deployed, the display will be closed after approximately 6 seconds.
    When the ignition switch is turned ON again (or turned to ACC), the display will be deployed automatically.
  * When using an AUDIO VISUAL MASTER UNIT, turning the power of either of these on will deploy the display automatically.
  * Installing the front panel will automatically deploy the display. (Refer to page 12.)
- The automatic close/open mode can be switched ON/OFF. (Refer to page 56.)
- When the ignition switch is turned OFF after the display has been closed, turning the ignition switch ON again (or turning it to ACC) will not deploy the display. In this case, press the OPEN/CLOSE button to deploy the display.

Screen Angle Adjustment

The angle of this product's screen continues changing as long as you keep pressing the ANGLE button.

- **Adjust the screen to an easily viewable angle.**



Precaution:

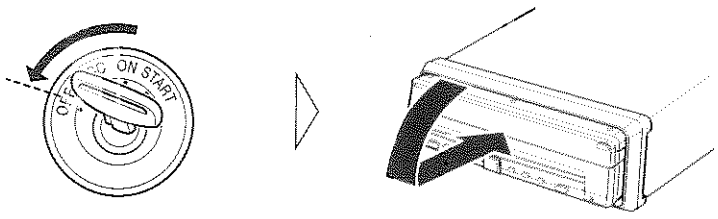
- If you can hear the display knocking against your vehicle's console or dashboard, press the ANGLE button on the (–) side to move the screen a little forward.

Note:

- When adjusting the angle, be sure to press the ANGLE button. Forcible adjusting of the display by hand may damage it.
- The adjusted angle of the display will be memorized and automatically returned to the next time the display is deployed.

Closing the Display

- **Turn the vehicle's engine OFF.**



The display will be automatically closed by the automatic close/open mode. If the display does not close automatically, press the OPEN/CLOSE button.

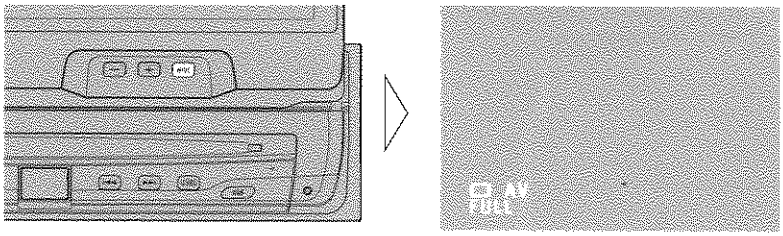
Note:

- When closing the display, check to make sure that it has closed completely. If the display has stopped halfway, leaving it like this could result in damage to it.
- The automatic close/open mode will operate the display as follows.
  * When the ignition switch is turned OFF while the display is deployed, the display will be closed after approximately 6 seconds.
    When the ignition switch is turned ON again (or turned to ACC), the display will be deployed automatically.
  * Removing the front panel will close the display. (Refer to page 12.)
- The automatic close/open mode can be switched ON/OFF. (Refer to page 56.)
- When the ignition switch is turned OFF after the display has been closed, turning the ignition switch ON again (or turning it to ACC) will not deploy the display. In this case, press the OPEN/CLOSE button to deploy the display.

Changing the Wide Mode

You can select a desired mode for enlarging a 4:3 picture to a 16:9 one.

- **Select the desired mode in the following order:**



Full (FULL) → Just (JUST) → Cinema (CINEMA) → Zoom (ZOOM) → Normal (NORMAL)

Full (FULL)

A 4:3 picture is enlarged in the horizontal direction only, enabling you to enjoy a 4:3 TV picture (normal picture) without any omissions.

Just (JUST)

The picture is enlarged slightly at the center and the amount of enlargement increases horizontally to the ends, enabling you to enjoy a 4:3 picture without sensing any disparity even on a wide screen.

Cinema (CINEMA)

A picture is enlarged by the same proportion as FULL or ZOOM in the horizontal direction and by an intermediate proportion between FULL and ZOOM in the vertical direction; ideal for a cinema-sized picture (wide-screen picture) where captions lie outside.

Zoom (ZOOM)

A 4:3 picture is enlarged in the same proportion both vertically and horizontally; ideal for a cinema-sized picture (wide-screen picture).

Normal (NORMAL)

A 4:3 picture is displayed as it is, giving you no sense of disparity since its proportions are the same as that of the normal picture.

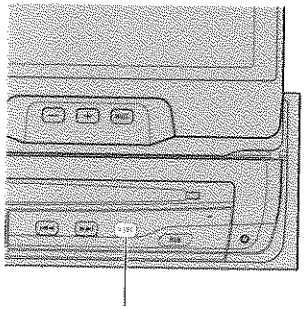
Note:

- Different settings can be memorized for the AV, VTR and RGB video. In addition, different settings can also be memorized for a component (AV) connected to the AV-BUS input.
- The Wide Mode used for menu setting is switched to Full (FULL). The Wide Mode will return when the menu setting is deleted.
- When video is viewed in a wide mode that dose not match its original aspect ratio, it may appear differently.
- Remember that using the wide mode feature of this system for commercial or public viewing purpose may constitute an infringement on the author's rights protected by the Copyright Law.
- Video will appear roughened when viewed in CINEMA or ZOOM mode.

Switching the Illumination Color (For European models)

This product is equipped with two illumination colors, green and red. You can select the desired illumination color.

- **Switch to the desired illumination color.**



Hold for 2 seconds

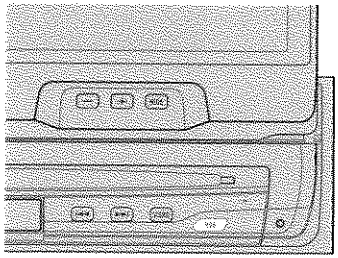
Repeat the preceding operation to switch to the previous color.

Switching the Video Source

■ Switching to RGB

You can watch videos from a component connected to this product's RGB input.

- **Switch to RGB.**



Repeat the preceding operation to switch to the previous video source.

Note:

- If you select the "AVM" video select setting in the display setting menu, video is locked to RGB. (See page 56.)

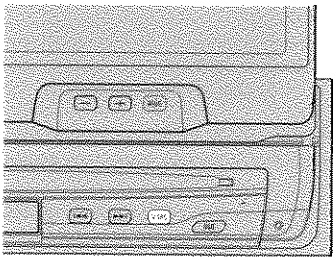
■ Switching to AV and VTR

You can switch between video from a component connected to this product's video input (VTR) and video from the built-in DVD player or component connected to AV-BUS input (AV).

Note:

- When switched to AV, you can watch video from the AV-BUS component selected with the Head Unit's source select.

- **Select the desired video source in following order:**



AV → VTR

Note:

- If you select the "AVM" video select setting in the display setting menu, video is locked to RGB. (See page 56.)

Basic Operations

Switching Power ON/OFF

Switching Power ON

Press the SOURCE button on the Head Unit.

Press repeatedly until DVD is selected, and the disc starts playing.

Note:

- If you were previously playing a DVD, playback of that disc resumes from where you left off.
- With some discs, a menu may be displayed. (See page 24.)

Switching Power OFF

Press the SOURCE button for 1 second on the Head Unit.

Power to the Head Unit switches OFF.

IP AUTO Mode

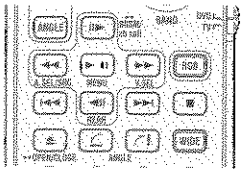
- When power to this product is switched OFF, you can switch the IP AUTO mode ON/OFF by pressing the POWER button for two seconds.
  When the IP AUTO mode is ON, if a disc is loaded in this product (DVD player), the Head Unit automatically switches the source to this product.
  If the IP AUTO mode is OFF, even if there is a disc loaded in this product (DVD player), the Head Unit will not switch the source to this product.
  When using this product mainly as a REAR SEAT ENTERTAINMENT SYSTEM, you are recommended to switch the IP AUTO mode OFF.
- When the IP AUTO mode is ON, [A] is indicated in the Display Setting Menu.
  In the initial settings, the IP AUTO mode is switched ON.

When using a rear display

- Even if the source selected with the head unit is not DVD, if you switch power to this product ON with the POWER button, you can watch the DVD picture from this product on the rear display.
- Regardless of whether the head unit is switched ON/OFF, you can switch power to this product ON/OFF.

Precautions

- When you have switched power to this product ON by pressing the POWER button, be sure not to forget to switch power to this product OFF. If you switch power to this product OFF after switching to DVD video display, the display shows that power to this product has been switched OFF.
- When you eject a source disc (CD or MD) selected with the head unit, power to the head unit switches OFF. Depending on the connection method, the picture on the rear display may disappear.



Press the PLAY/PAUSE (▶/II) button.

The playback mark (▶) is displayed for 4 seconds and the disc starts playing.

Note:

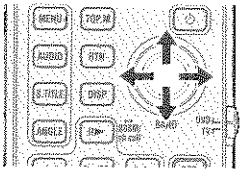
- Pressing the PLAY/PAUSE (▶/II) button when a disc is playing, pauses playback.
- If the last disc played was a DVD, playback starts from the point on that disc where you stopped play previously. With some discs, a menu may be displayed and playback may not be possible from where you left off previously.

Working with the Menu Screen

When DVDs offering menu or Video CDs featuring the PBC (Playback Control) function start playing, a menu is displayed.

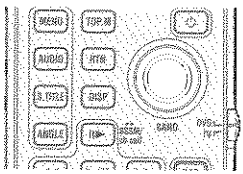
With DVDs

1



Use the joystick to select the desired MENU option.

2



Click the joystick.

Playback starts from the selected menu option.

■ To Display the Menu

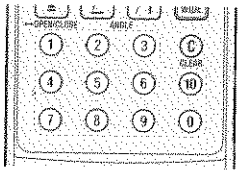
You can display the menu by pressing the MENU button or TOP MENU button while a disc is playing. Pressing either of these buttons again lets you start playback from the location selected from the menu. For details, refer to the instructions provided with the disc.

Note:

- The way to display the menu differs depending on the disc.

Continued overleaf

With Video CDs



Press the number buttons to select a desired menu option.

Playback starts from the selected menu option.
Operation with the joystick is not possible.

■ To Display the Menu

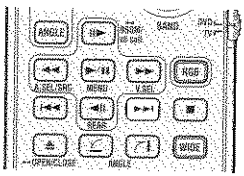
You can display the menu by pressing the RETURN button while PBC playback. For details, refer to the instructions provided with the disc.

Note:

- When menu are two or more pages long, press the PREVIOUS (I◄◄)/NEXT (►►I) button to switch between displays.
- To play a disc without using a menu (without PBC playback), when the disc is stopped press the appropriate number button to select the desired track. To return to PBC playback, stop playback and press the PLAY/PAUSE (►/II) button.

Chapter and Track Advance/Return

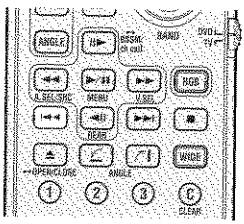
Skipping to the Next Chapter/Track



During play, press the NEXT (►►I) button .

Chapter/track numbers are displayed for 8 seconds and you advance to the next chapter/track.

Returning to the Previous Chapter/Track



During play, press the PREVIOUS (I◄◄) button .

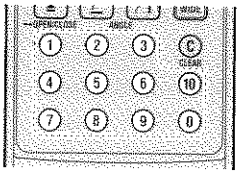
Chapter/track numbers are displayed for 8 seconds and you return to the beginning of the current chapter/track.

Press the PREVIOUS (I◄◄) button twice in succession takes you to the beginning of the chapter/track before the current chapter/track.

Specifying Title/Chapter/Track (Direct Search)

Specifying Title

DVD



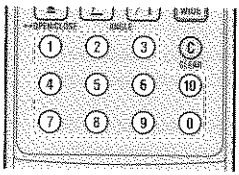
Press the number button corresponding to a desired title number when the disc is stopped.

Title number is displayed for 8 seconds and playback starts from the selected title.

To select 3, press button 3.
To select 10, press buttons 10 and 0 in order.
To select 23, press buttons 10, 10 and 3 in order.

Specifying Chapter

DVD



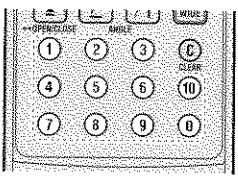
Press the number button corresponding to a desired chapter number during playback.

Chapter number is displayed for 8 seconds and playback starts from the selected chapter.

To select 3, press button 3.
To select 10, press buttons 10 and 0 in order.
To select 23, press buttons 10, 10 and 3 in order.

Specifying Track

Video CD



Press the number button corresponding to a desired track number.

Track number is displayed for 8 seconds and playback starts from the selected track.

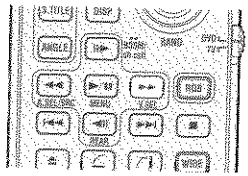
To select 3, press button 3.
To select 10, press buttons 10 and 0 in order.
To select 23, press buttons 10, 10 and 3 in order.

Note:

- With some discs, the prohibited mark "⃠" may be displayed and operation may not be possible.
- With Video CD, Direct Search is not possible during PBC playback.

Disc Fast Forward/Reverse

Fast Forward



1 **During play, continue pressing the FORWARD (►►) button.**

The fast forward mark ( ) is displayed while pressing the button and disc fast forward is performed.

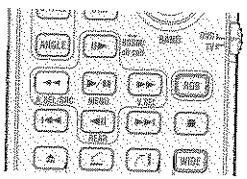
2 **Release the FORWARD (►►) button at the point you want to watch/listen.**

Playback resumes from that point.

Note:

- If you continue pressing the FORWARD (►►) button for 5 seconds, the color of the fast forward mark ( ) changes from white to blue. When this happens, fast forward continues even if you release the FORWARD (►►) button. To resume playback at a desired point, press the PLAY/PAUSE (►/II) button.
- If you fast forward to the end of a CD, fast forward continues from the beginning of the disc.
- Fast forward may not be possible at certain locations on some discs. If this happens, normal playback automatically resumes.

Fast Reverse



1 **During play, continue pressing the REVERSE (◄◄) button.**

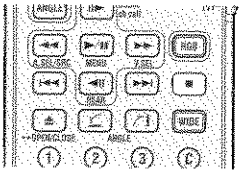
The fast reverse mark ( ) is displayed while pressing the button and disc fast reverse is performed.

2 **Release the REVERSE (◄◄) button at the point you want to watch/listen.**

Playback resumes from that point.

Note:

- If you continue pressing the REVERSE (◄◄) button for 5 seconds, the color of the fast reverse mark ( ) changes from white to blue. When this happens, fast reverse continues even if you release the REVERSE (◄◄) button. To resume playback at a desired point, press the PLAY/PAUSE (►/II) button.
- If you fast reverse to the beginning of a CD, normal playback resumes.
- Fast reverse may not be possible at certain locations on some discs. If this happens, normal playback automatically resumes.



Press the STOP (■) button.

Note:

- When you stop DVD or Video CD playback (during PBC playback only) by pressing the STOP (■) button, that location on the disc is memorized enabling playback from that point when you play the disc again.

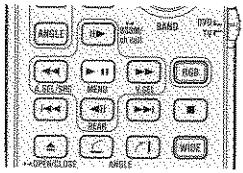
Playback Variations

Still, Frame-by-Frame and Slow Motion Playback

Still Playback

DVD Video CD

This lets you pause playback and view a still picture.



Press the PLAY/PAUSE (▶/II) button during playback.

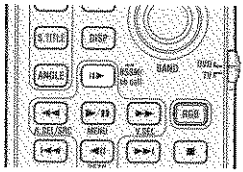
The still mark ( ) is displayed for 4 seconds and playback is paused letting you view a still image.

- To return to normal playback, press the PLAY/PAUSE (▶/II) button once more.

Frame-by-Frame Playback

DVD

This lets you move ahead one frame at a time during playback.



Press the STEP (II▶) button.

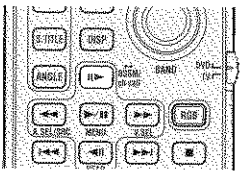
Each time you press the STEP (II▶) button, you move ahead one frame.

- To return to normal playback, press the PLAY/PAUSE (▶/II) button.

Slow Motion Playback

DVD

This lets you slow down playback speed.



Press the STEP (II▶) button for 1 second during playback.

The slow playback mark ( ) is displayed, forward Slow Motion playback begins.

- To return to normal playback, press the PLAY/PAUSE (▶/II) button.

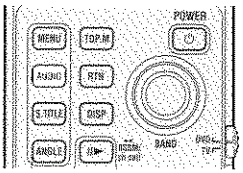
Note:

- There is no sound during Still, Frame-by-Frame or Slow Motion playback.
- Depending on the disc and the playback location on the disc, the prohibited mark "⃠" may be displayed indicating that Still, Frame-by-Frame and Slow Motion playback are not possible.
- With some discs, images may be unclear during Frame-by-Frame and Slow Motion playback.
- Reverse Frame-by-Frame playback and Reverse Slow Motion playback are not possible.

Changing Audio Language during Playback (Multi-Audio) DVD

DVDs can provide audio playback with different languages and different systems (Dolby Digital, DTS etc.). With DVDs featuring multi-audio recordings, you can switch between languages/audio systems during playback.

1



Press the AUDIO button during playback.

The audio selection mark ( ) is displayed for 8 seconds.

2

Press the AUDIO button while the audio selection mark is displayed.

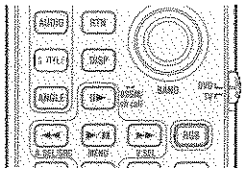
The audio changes each time you press the AUDIO button.

Note:

- This function only operates with DVDs featuring multi-audio recordings.
- The number in the "◎)) " mark on a DVD's package indicates the number of recorded languages/audio systems.
- With some DVDs, switching between languages/audio systems may only be possible using a menu display.
- You can also switch between languages/audio systems using the SET UP MENU. For details, refer to "Setting the Audio Language" on page 46.
- Only digital output of DTS audio is possible. If this product's optical digital outputs are not connected, DTS audio will not be output, so select an audio setting other than DTS.
- While the audio selection mark is displayed, you can also switch to a desired audio language number using the number buttons.
- Display indications such as "Dolby D" and "5.1ch" indicate the audio system recorded on the DVD. Depending on the setting, playback may not be with the same audio system as that indicated.

Changing the Subtitle Language during Playback (Multi-Subtitle) DVD

With DVDs featuring multi-subtitle recordings, you can switch between subtitle languages during playback.



1 Press the SUBTITLE button during playback.

The subtitle selection mark ( ) is displayed for 8 seconds.

2 Press the SUBTITLE button while the subtitle selection mark is displayed.

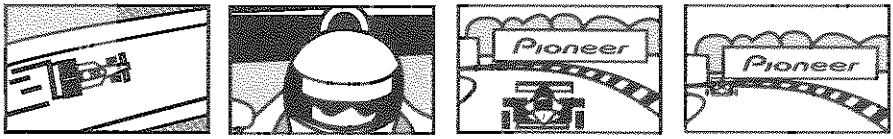
The subtitle language changes each time you press the SUBTITLE button.

Note:

- This function only operates with DVDs featuring multi-subtitle recordings.
- The number in the " " mark on a DVD's package indicates the number of recorded subtitle languages.
- With some DVDs, switching between subtitle languages may only be possible using a menu display.
- You can also switch between subtitle languages using the SET UP MENU. For details, refer to "Setting the Subtitle" on page 43.
- While the subtitle selection mark is displayed, you can also switch to a desired subtitle language number using the number buttons. At this time, you can also switch subtitle display OFF by pressing the CLEAR button.

Changing the Viewing Angle during Playback (Multi-Angle) DVD

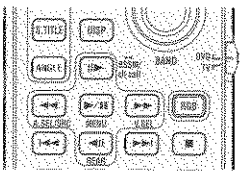
With DVDs featuring multi-angle (scenes shot from multiple angles) recordings, you can switch among viewing angles during playback.



About Scenes that Let You Change the Viewing Angle

During playback of a scene shot from multiple angles on this product, the angle mark ( ) is displayed in the bottom right of the screen.
Switch angle mark display ON/OFF using the SET UP MENU. For details, refer to "Setting Angle Mark Display" on page 51.

1



Press the ANGLE button during playback of a scene shot from multiple angles.

The angle mark ( ) and angle number ( ) are displayed for 8 seconds.

2

Press the ANGLE button while the angle mark and angle number are displayed.

The angle changes each time you press the ANGLE button.

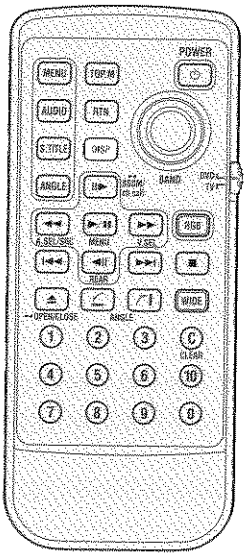
Note:

- This function only operates with DVDs featuring multi-angle recordings.
- The " " mark on a DVD's package indicates it features multi-angle scenes. The number in the " " mark indicates the number of angles from which scenes were shot.
- You cannot switch angles during Slow Motion playback.
- If you press the ANGLE button during fast forward/fast reverse or pause, fast forward/fast reverse or pause is canceled and normal playback resumes but the viewing angle does not change.
- While the angle mark and angle number are displayed, you can also switch to a desired angle number using the number buttons.

Operating with Information Displays

Calling up Information Displays

Information displays let you easily perform a wide range of disc operations. These include starting playback from a specified title, chapter or time, setting the range of Repeat play and switching between different audio and subtitle settings.

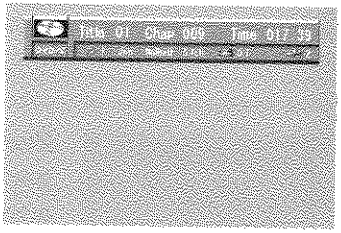


1 **Press the DISPLAY button.**

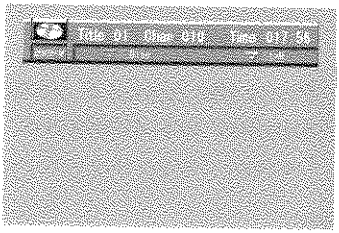
Each time you press the button the display changes as follows:

Information display 1 → Information display 2 → Display OFF → Information display 1

Information display 1 (e.g. DVD)



Information display 2 (e.g. DVD)



Note:

- For CDs there is no Display OFF setting.
- You can perform title, chapter and time settings with either the information display 1 or 2. This manual explains how to use the information display 1 to perform title, chapter and time settings.
- Pressing the DISPLAY button during fast forward/reverse returns you to normal playback.

Operating with the Information Display 1 of a DVD

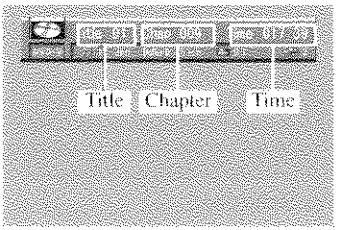
This display lets you use the Search function to specify a title or chapter to search for a desired scene, use the Time Search function to specify a time to search for a desired scene, select the desired audio and subtitle language, and select the angle.

Searching for a Desired Scene, Starting Playback from a Specified Time

You can use the Search function to search for a desired scene by specifying a title or chapter, and the Time Search function to specify the time on a disc at which play starts.

1 Move the joystick left/right to select a desired option.

The selected option is indicated in blue.



2 Press the number buttons to input the desired number.

For Titles and Chapters

To select 3, press button 3.
To select 10, press buttons 1 and 0 in order.
To select 23, press buttons 2 and 3 in order.

- To jump 10 titles or chapters ahead of the selected one, press the 10 button.

For Time (Time Search)

To select 21 minutes 43 seconds, press buttons 2, 1, 4 and 3 in order.
To select 1 hour 11 minutes, convert the time into 71 minutes 00 seconds and press buttons 7, 1, 0 and 0 in order.

- To jump 10 seconds ahead of the selected time, press the 10 button.

Note:

- Pressing the CLEAR button cancels the input number.
- You can also select titles and chapters by moving the joystick up/down.

3 While the input number is displayed, click the joystick.

This starts playback from the selected scene.

Note:

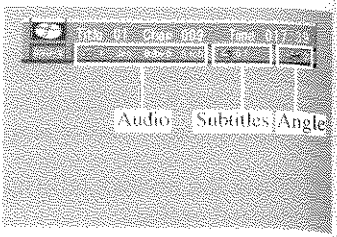
- With discs featuring a menu, you can also press the MENU button or TOP MENU button and then make selections from the displayed menu.
- With some discs, the prohibited mark "⃠" may be displayed, indicating that titles, chapters and time cannot be specified.
- Chapter Search and Time Search are not possible when disc playback has been stopped.

■ Direct Search

Even without using an information display you can start playback from a specified title or chapter. For details, see page 26.

Selecting Audio, Subtitle and Angle

You can perform Audio (language, stereo, audio type as Dolby Digital etc.), Subtitle language and Angle selection.



1 Move the joystick left/right to select a desired option.

The selected option is indicated in blue.

2 Move the joystick up/down to switch to the desired setting.

This switches you to the selected setting.

For Audio

Selection options switch as follows:
Audio 1 ↔ Audio 2 ↔ Audio 3 ↔ Audio 1

For Subtitles

Selection options switch as follows:
Subtitles 1 ↔ Subtitles 2 ↔ Subtitles OFF ↔ Subtitles 1

For Angle

Selection options switch as follows:
Angle 1 ↔ Angle 2 ↔ Angle 3 ↔ Angle 1

Note:

- The number of switching options depends on how many options are recorded on the DVD.
- You can switch Audio, Subtitle and Angle during playback using the respective buttons. For details, refer to "Playback Variations" on page 29.
- You can also switch settings by inputting numbers with the number buttons.
- Display indications such as "Dolby D" and "5.1ch" indicate the audio system recorded on the DVD. Depending on the setting, playback may not be with the same audio system as that indicated.

Operating with the Information Display 2 of a DVD

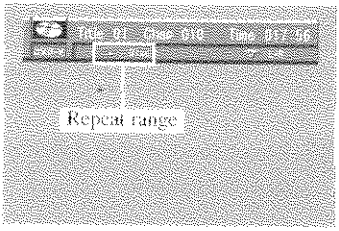
In addition to the Search and Time Search functions of the information display 1, this display lets you select the range for Repeat play, and switch audio output.

Selecting Repeat Range

You can choose between Repeat play of a disc, title or chapter.

1 Move the joystick left/right to select the Repeat range option.

The Repeat range option is indicated in blue.



2 Move the joystick up/down to switch to the desired setting.

This switches you to the selected setting.
Disc ↔ Title ↔ Chapter ↔ Disc

- When you select Disc, playback of the entire disc is repeated. When you select Title or Chapter, playback of that title or chapter only is repeated.

Note:

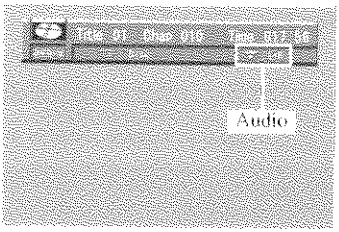
- When the Repeat play of a DVD disc is selected, play stops and depending on the disc a menu is displayed upon completion of play of an entire disc once through.

Selecting Audio Output

You can select between stereo and monaural audio output.

1 Move the joystick left/right to select the Audio option.

The Audio option is indicated in blue.



2 Move the joystick up/down to switch to the desired setting.

This switches you to the selected setting.
L+R (Stereo) ↔ L (Left) ↔ R (Right) ↔ L+R (Stereo)

- When you select Stereo, audio is output through both left and right channels. When you select Left or Right, audio is output from that channel only.

Operating with the Information Display of a Video CD

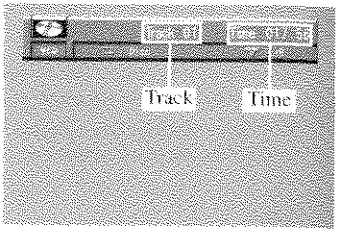
This display lets you use the Search function to specify a track to search for desired scenes, use the Time Search function to specify a time to search for a desired scene, switch audio output, and select the range for Repeat play. During playback of Video CDs featuring PBC (Playback Control), "PLAYBACK CONTROL ON" is displayed. During such playback, Search and Time Search functions cannot be used nor can you select the range for Repeat play. (See page 25.)

Searching for a Desired Scene, Starting Playback from a Specified Time

You can use the Search function to search for a desired scene by specifying a track, and the Time Search function to specify the time on a disc at which play starts.

1 **Move the joystick left/right to select a desired option.**

The selected option is indicated in blue.



2 **Press the number buttons to input the desired number.**

For Tracks

To select 3, press button 3.
To select 10, press buttons 1 and 0 in order.
To select 23, press buttons 2 and 3 in order.
• To jump 10 tracks ahead of the selected one, press the 10 button.

For Time (Time Search)

To select 21 minutes 43 seconds, press buttons 2, 1, 4 and 3 in order.
To select 1 hour 11 minutes, convert the time into 71 minutes 00 seconds and press buttons 7, 1, 0 and 0 in order.
• To jump 10 seconds ahead of the selected time, press the 10 button.

Note:
• Pressing the CLEAR button cancels the input number.
• You can also select tracks by moving the joystick up/down.

3 **While the input number is displayed, click the joystick.**

This starts playback from the selected scene.

Note:

- Time Search is not possible while the disc is stopped.

Direct Search

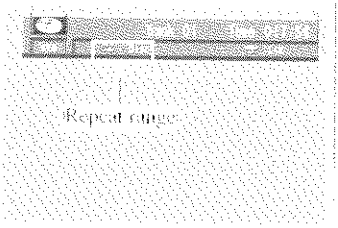
Even without using an information display you can start playback of a desired track. For details, see page 26.

Selecting Repeat Range

You can choose between Repeat play of a disc or a track.

1 **Move the joystick left/right to select the Repeat range option.**

The Repeat range option is indicated in blue.



2 **Move the joystick up/down to switch to the desired setting.**

This switches you to the selected setting.
Disc ↔ Track

- When you select Disc, playback of the entire disc is repeated. When you select Track, play back of that track only is repeated.

Note:

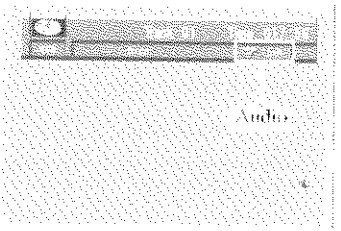
- When the Repeat play of a Video CD disc is selected, play stops and depending on the disc a menu is displayed upon completion of play of an entire disc once through.

Selecting Audio Output

You can select between stereo and monaural audio output.

1 **Move the joystick left/right to select the Audio option.**

The Audio option is indicated in blue.



2 **Move the joystick up/down to switch to the desired setting.**

This switches you to the selected setting.
L+R (Stereo) ↔ L (Left) ↔ R (Right) ↔ L+R (Stereo)

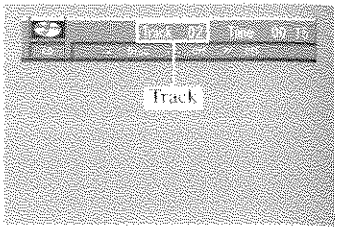
- When you select Stereo, audio is output through both left and right channels. When you select Left or Right, audio is output from that channel only.

Operating with the Information Display of a CD

This display lets you use the Search function to specify a track to search for desired track, select the range for Repeat play, and switch Random play and Scan play ON/OFF.

Searching for a Desired Track

You can use the Search function to specify a track to search for a desired track.



1 Move the joystick left/right to select the Track option.

The Track option is indicated in blue.

2 Press the number buttons to input the desired track number.

To select 3, press button 3.
To select 10, press buttons 1 and 0 in order.
To select 23, press buttons 2 and 3 in order.
• To jump 10 tracks ahead of the selected one, press the 10 button.

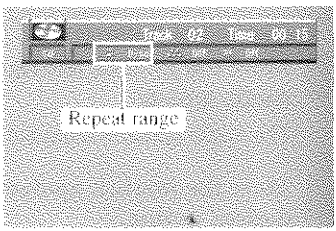
Note:
- Pressing the CLEAR button cancels the input number.
- You can also select tracks by moving the joystick up/down.

3 While the input number is displayed, click the joystick.

Play of the selected track starts.

Selecting Repeat Range

You can choose between Repeat play of a disc or a track.



1 Move the joystick left/right to select the Repeat range option.

The Repeat range option is indicated in blue.

2 Move the joystick up/down to switch to the desired setting.

This switches you to the selected setting.
Disc ↔ Track

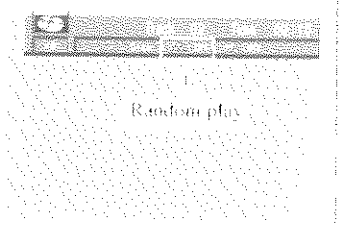
- When you select Disc, playback of the entire disc is repeated. When you select Track, playback of that track only is repeated.

Setting Random Play

Tracks of the CD you are currently listening to are played in a random order.

1 Move the joystick left/right to select the Random option.

The Random option is indicated in blue.



2 Move the joystick up/down to switch to the desired setting.

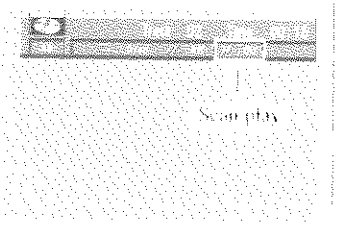
This switches you to the selected setting.
ON ⟷ OFF

Setting Scan Play

The beginning of each track on the CD you are currently listening to is played for about 10 seconds.

1 Move the joystick left/right to select the Scan option.

The Scan option is indicated in blue.



2 Move the joystick up/down to switch the Scan play ON.

This switches you to the selected setting.
ON ⟷ OFF

3 When you find the desired track, move the joystick up/down to cancel the Scan play.

Note:

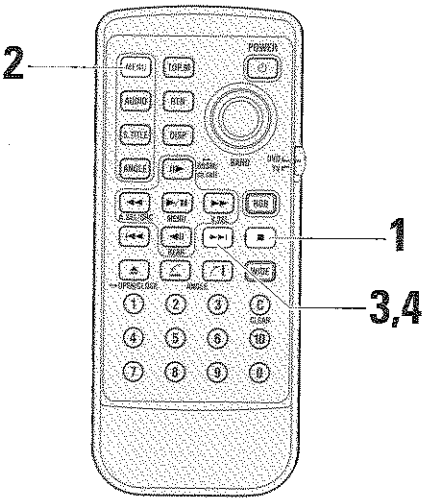
- Scan play is canceled automatically after all tracks have been scanned.

Changing Initial Settings

Calling up the SET UP MENU

DVD

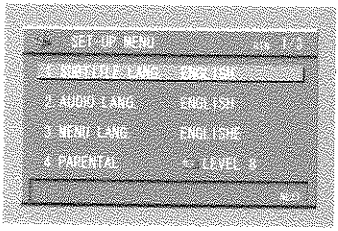
You can use this menu to change Audio, Subtitle, Parental Lock and other DVD settings.



1 **Press the STOP (■) button.**

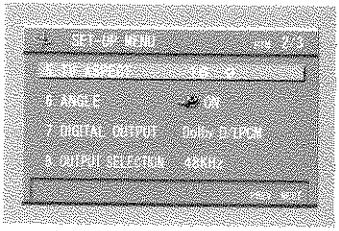
2 **Press the MENU button when the disc is stopped.**

The SET UP MENU is displayed.



3 **Press the NEXT (►►I) button.**

The second SET UP MENU is displayed.

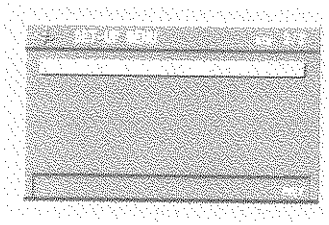


Note:

- To switch to the first SET UP MENU, press the PREVIOUS (I◄◄) button.

4 **Press the NEXT (►►I) button.**

The third SET UP MENU is displayed.



Note:

- To switch to the second SET UP MENU, press the PREVIOUS (I◄◄) button.

Note:

- If you press the MENU button during display of a SET UP MENU, the SET UP MENU is canceled and the unit returns to the previous display.

■ Returning to the previous display

The SET UP MENU lets you switch between displays of different setting options. To continue performing different settings, or if you make a mistake during setting, pressing the RETURN button takes you back to the previous display each time you press it.

Setting the Subtitle (SUBTITLE LANG.) DVD

You can set a desired subtitle language. If the selected subtitle language is recorded on the DVD, subtitles are displayed in that language. You can also switch subtitle and assist subtitle display ON/OFF.

Setting Subtitles and Assist Subtitles ON/OFF

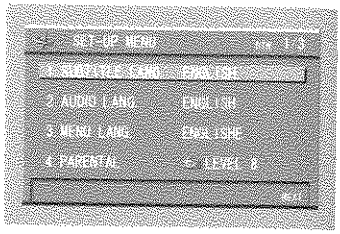
You can switch Subtitle and Assist Subtitle ON/OFF as desired.

1 **Move the joystick up/down to select the "SUBTITLE LANG.".**

"SUBTITLE LANG." is indicated in blue.

2 **Click the joystick.**

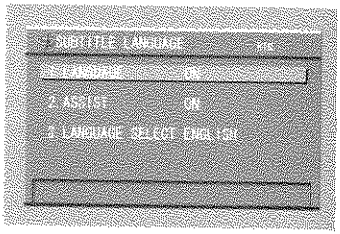
A subtitle language menu is displayed.



3 **Move the joystick to select Subtitle ON/OFF (LANGUAGE) or Assist Subtitle ON/OFF (ASSIST).**

4 **Click the joystick.**

Each time you click the joystick the selected setting switches ON/OFF.



■ Assist Subtitles

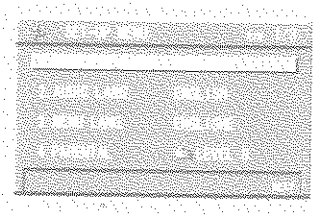
Assist subtitles offer explanations for the aurally impaired. However, they are only displayed if they are recorded on the DVD.

Setting the Subtitle Language

You can set the preferred subtitle language.

1 **Move the joystick up/down to select the "SUBTITLE LANG.".**

"SUBTITLE LANG." is indicated in blue.

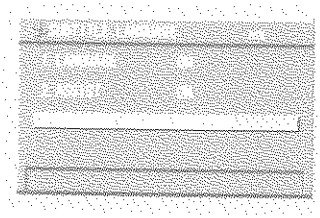


2 **Click the joystick.**

A subtitle language menu is displayed.

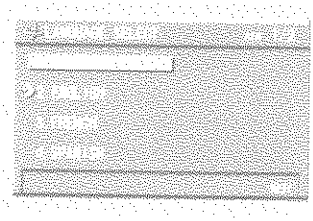
3 **Move the joystick up/down to select the "LANGUAGE SELECT".**

"LANGUAGE SELECT" is indicated in blue.



4 **Click the joystick.**

A language select menu is displayead.



5 **Move the joystick up/down to select the desired language.**

The currently set language is indicated the mark "✓".
The language selected with the joystick is indicated in blue.

Note:

- To switch to the second language select menu, press the NEXT (▶▶|) button.
- To return to the first language select menu, press the PREVIOUS (|◀◀) button.

Continued overleaf

6 Click the joystick.

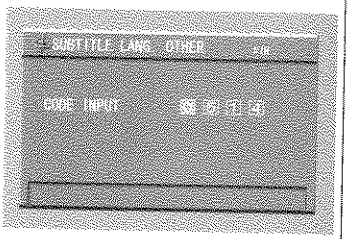
A subtitle language is set.

Note:

- If the selected language is not recorded on the disc, languages specified on the disc are displayed.
- You can also switch the subtitle language during playback with the SUBTITLE button. (See page 31.)
- Even if you use the SUBTITLE button to switch the subtitle language, this does not affect the settings here.
- Pressing the RETURN button takes you back to the previous display.

■ When You Select "OTHERS"

When you select "OTHERS", a language code input display is shown. Refer to "Language Code Chart" (see page 68), using the number buttons to input the four digit code of the desired language, then click the joystick.



Note:

- Pressing the CLEAR button cancels the input numbers.

Setting the Audio Language (AUDIO LANG.) DVD

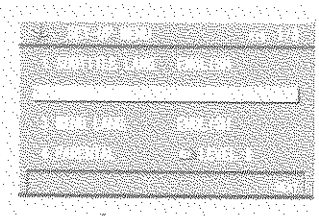
You can set the preferred audio language.

1 **Move the joystick up/down to select the "AUDIO LANG.".**

"AUDIO LANG." is indicated in blue.

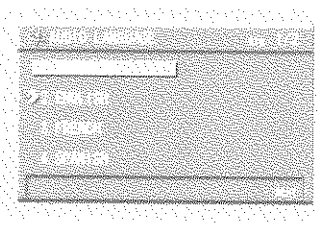
2 **Click the joystick.**

An audio language menu is displayed.



3 **Move the joystick up/down to select the desired audio language.**

The currently set language is indicated the mark "✓". The language selected with the joystick is indicated in blue.



Note:

- To switch to the second audio language menu, press the NEXT (▶▶|) button.
- To return to the first audio language menu, press the PREVIOUS (|◀◀) button.

4 **Click the joystick.**

The audio language is set.

Note:

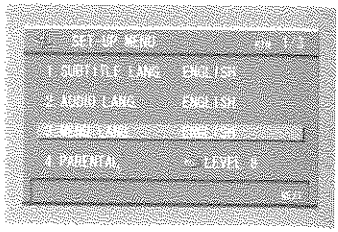
- If the selected language is not recorded on the disc, the language specified on the disc is output.
- You can also switch the audio language during playback with the AUDIO button. (See page 30.)
- Even if you use the AUDIO button to switch the audio language, this does not affect the settings here.
- Pressing the RETURN button takes you back to the previous display.
- If you have selected "OTHERS", refer to "When You Select "OTHERS"" on page 45.

Setting the Menu Language (MENU LANG.) DVD

You can set the preferred language for displays of menus recorded on a disc.

1 **Move the joystick up/down to select the "MENU LANG.".**

"MENU LANG." is indicated in blue.

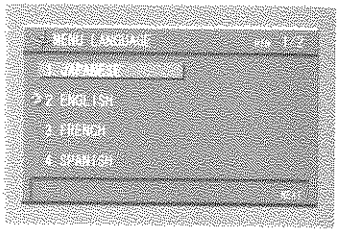


2 **Click the joystick.**

A menu language menu is displayed.

3 **Move the joystick up/down to select the desired menu language.**

The currently set language is indicated the mark "✓". The language selected with the joystick is indicated in blue.



Note:

- To switch to the second menu language menu, press the NEXT (▶▶I) button.
- To return to the first menu language menu, press the PREVIOUS (I◀◀) button.

4 **Click the joystick.**

The menu language is set.

Note:

- If the selected language is not recorded on the disc, the language specified on the disc is displayed.
- Pressing the RETURN button takes you back to the previous display.
- If you have selected "OTHERS", refer to "When You Select "OTHERS"" on page 45.

Setting the Parental Lock (PARENTAL) DVD

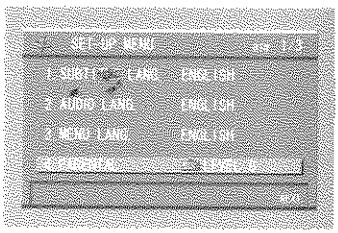
Some DVDs let you use Parental Lock to restrict the viewing of violent and adult oriented scenes by children. You can set the Parental Lock level in steps as desired.

Setting the Code Number and Level

When you first use this function, register your code number. If you do not register a code number, Parental Lock will not operate.

1 **Move the joystick up/down to select the "PARENTAL".**

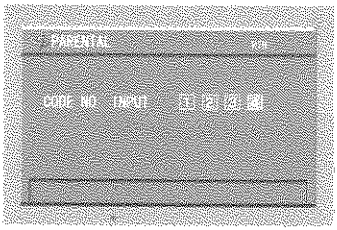
"PARENTAL" is indicated in blue.



2 **Click the joystick.**

Parental Lock setting menu is displayed.

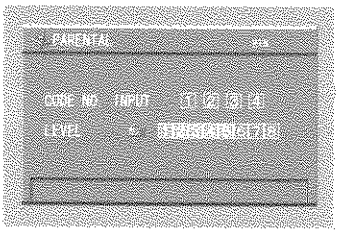
3 **Press the number buttons to input a four digit code number.**



4 **Click the joystick.**

The code number is set, and you can now set the level.

5 **Move the joystick left/right to select the desired level.**



Level	Parental Lock details
LEVEL 8	Playback of the entire disc is possible. (Initial setting)
LEVEL 7 – LEVEL 2	This prevents playback of discs featuring adult oriented material. (Playback of discs for children and non-adult oriented discs is possible.)
LEVEL 1	Playback of discs for children only is possible.

6 **Click the joystick.**

The parental lock level is set.

Note:

- We recommend to keep a record of your code number in case you forget it.
- The Parental Lock level is recorded on the disc. You can confirm it by looking at the disc package, included literature or on the disc itself. With discs that do not feature a recorded Parental Lock level, you cannot use Parental Lock.
- With some discs, Parental Lock operates to skip certain scenes only, after which normal playback resumes. For details, refer to the disc's instructions.
- Pressing the RETURN button takes you back to the previous display.

Changing the Level

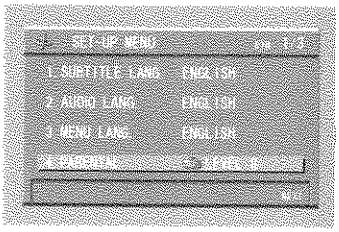
You can change the set Parental Lock level.

1 **Move the joystick up/down to select the "PARENTAL".**

"PARENTAL" is indicated in blue.

2 **Click the joystick.**

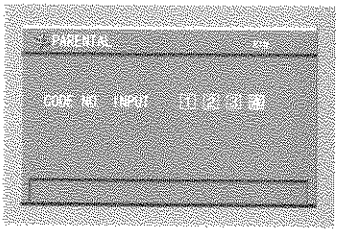
Parental Lock setting menu is displayed.



3 **Press the number buttons to input the registered code number.**

4 **Click the joystick.**

This enters the code number, and you can now change the level.



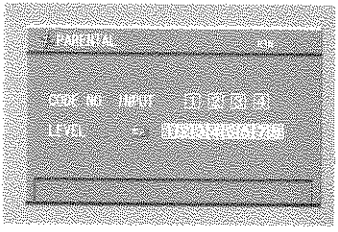
Note:

- If you input an incorrect code number, the prohibited mark "⃠" is displayed. Press the CLEAR button and input the correct code number.
- If you forget your code number, refer to "If You Forget Your Code Number" on page 67.

5 **Move the joystick left/right to select the desired level.**

6 **Click the joystick.**

The new Parental Lock level is set.



Note:

- Pressing the RETURN button takes you back to the previous display.

■ When Playing DVDs Enabling Parental Lock

When you play a disc featuring Parental Lock, code number input indications may be displayed. If this happens and you do not input the correct code number, playback will not begin.

Setting Aspect Ratio (TV ASPECT) DVD

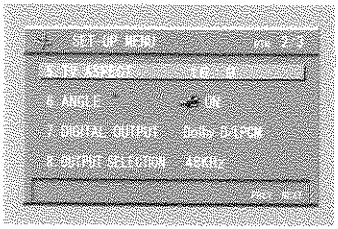
There are two kinds of display. A wide screen display has a width-to-height ratio (TV aspect) of 16:9, while a regular display has a TV aspect of 4:3. When a display is connected to the rear video output, set the correct TV aspect as for that display.

Note:

- If you change the TV aspect, this product's display changes to the same setting.

1 **Move the joystick up/down to select the "TV ASPECT" in the second SET UP MENU.**

"TV ASPECT" is indicated in blue. (For details, see page 41.)

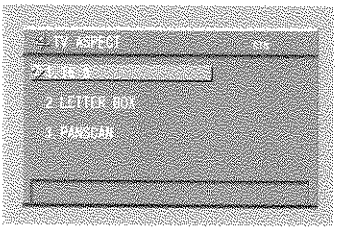


2 **Click the joystick.**

TV aspect menu is displayed.

3 **Move the joystick up/down to select the desired TV aspect.**

The currently set TV aspect is indicated the mark "✓". The TV aspect selected with the joystick is indicated in blue.



TV aspect	Setting detail
16:9	Select when using a wide screen display. (Initial setting)
LETTER BOX	Select when using a regular display. When playing discs featuring images recorded with a 16:9 TV aspect, the picture is the shape of a letter box with black bands at the top and bottom of the screen.
PANSCAN	Select when using a regular display. When playing discs featuring images recorded with a 16:9 TV aspect, the picture is cut short at the right and left of the screen.

4 **Click the joystick.**

The selected TV aspect is set.

Precaution:

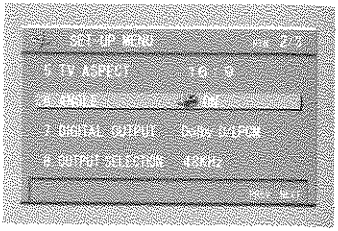
- When using a regular display, select either "LETTER BOX" or "PANSCAN". Selecting 16:9 may result in an unnatural picture.
- When playing discs that do not specify "PANSCAN", playback is with "LETTER BOX" even if you select the "PANSCAN" setting. Confirm whether the disc package bears the "16:9 LB" mark. (See page 8.)
- Some discs do not enable changing of the TV aspect. For details, refer to the disc's instructions.
- Pressing the RETURN button takes you back to the previous display.

Setting Angle Mark Display (ANGLE) DVD

With discs featuring multi-angle recordings, the angle mark is displayed at the bottom right of the screen during playback of scenes enabling multi-angle viewing. You can set angle selection mark display ON/OFF.

1 **Move the joystick up/down to select the "ANGLE" in the second SET UP MENU.**

"ANGLE" is indicated in blue. (For details, see page 41.)

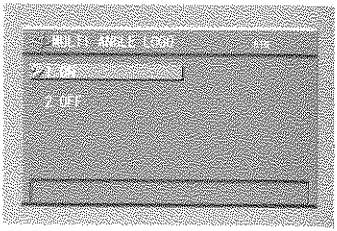


2 **Click the joystick.**

Angle mark menu is displayed.

3 **Move the joystick up/down to select angle mark display ON/OFF.**

The currently set option is indicated the mark "✓". The option selected with the joystick is indicated in blue.



4 **Click the joystick.**

Angle mark display is set ON/OFF.

Note:

* Pressing the RETURN button takes you back to the previous display.

Setting for Digital Output (DIGITAL OUTPUT) DVD

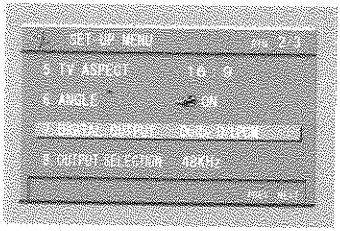
Set digital output correctly to match the components you are using with this unit. There is no need to change settings if this unit is not connected for digital output.

Precaution:

- Incorrect setting may result in noise and damage to speakers so be sure to read the manuals of the connected components.

1 **Move the joystick up/down to select the "DIGITAL OUTPUT" in the second SET UP MENU.**

"DIGITAL OUTPUT" is indicated in blue. (For details, see page 41.)

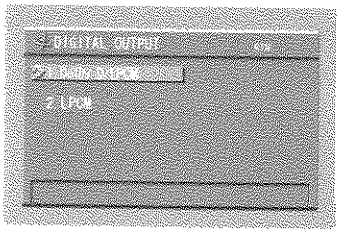


2 **Click the joystick.**

Digital output setting menu is displayed.

3 **Move the joystick up/down to select the desired digital output setting.**

The currently set digital output setting is indicated the mark "✓". The digital output setting selected with the joystick is indicated in blue.



Digital output	Setting detail
Dolby D/LPCM	Select when using a Dolby Digital compatible amp and decoder. The Dolby Digital signal is output as it is. (Initial setting)
LPCM	Select when using an amp and decoder that are not Dolby Digital compatible. The Dolby Digital signal is converted to and output as a linear PCM signal.

4 **Click the joystick.**

The selected digital output setting is set.

Note:

- Linear PCM output of DTS audio is not possible. If you select the LPCM setting, DTS audio is not output.
- When using this product with a Pioneer Multi-Channel AV Master Unit with digital input (e.g. AVM-P9000R, AVM-P9000), select the "Dolby D/LPCM" setting.
- When using this product with the "DEX-P9R" or "DEX-P9", select the "LPCM" setting.
- Pressing the RETURN button takes you back to the previous display.

Setting Digital and Analog Audio Output (OUTPUT SELECTION) DVD

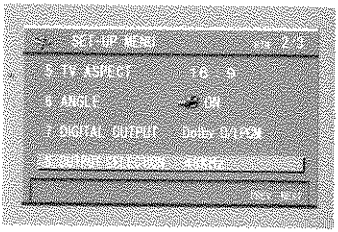
You can set linear PCM audio output for both digital and analog output. Set audio output correctly to match the components you are using with this unit.

Precaution:

- If the setting is incorrect there will be no sound so be sure to read the manuals of the connected components.

1 Move the joystick up/down to select the "OUTPUT SELECTION" in the second SET UP MENU.

"OUTPUT SELECTION" is indicated in blue. (For details, see page 41.)

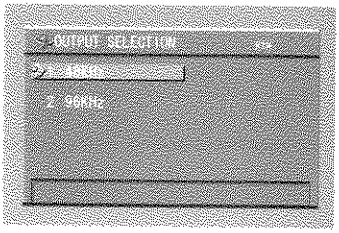


2 Click the joystick.

Audio output setting menu is displayed.

3 Move the joystick up/down to select the desired audio output setting.

The currently set audio output setting is indicated the mark "✓". The audio output setting selected with the joystick is indicated in blue.



Output setting	Setting detail
48kHz	Select this setting when using digital connections. A 48 kHz signal is output regardless of the audio sampling frequency. A 96 kHz signal is converted to a 48 kHz signal. (Initial setting)
96kHz	Select this setting when using analog connections. The signal is output with the same frequency as the audio sampling frequency. With a 96 kHz signal, you can enjoy exceptionally high sound quality.

4 Click the joystick.

The selected audio output setting is set.

Note:

- With discs featuring 96 kHz recording, if you select the "96kHz" setting, audio is not output from digital output.
- With discs do not feature a CSS (Content Scrambling System) copy guard signal, a 96 kHz digital signal is output.
- When using this unit with a Multi-Channel AV Master Unit (e.g. AVM-P9000R, AVM-P9000), select the "48kHz" setting. If you select the "96kHz" setting, no sound will be output when playing discs featuring 96 kHz recordings.
- Pressing the RETURN button takes you back to the previous display.

Setting Remote Control Code Type (REMOTE CODE SELECT) DVD

When using this product with a Pioneer DVD player, set the remote code of the supplied remote controller to enable operation of this product only. There are two remote codes, CODE TYPE A and CODE TYPE B. When using this product with an "XDV-P9" Multi-DVD Player, select CODE TYPE B. When using this product with a DVD navigation unit, select CODE TYPE A.

Precaution:

- When changing the code type, set the switch on the left side of the remote controller to the same setting. (See page 13.)

1 **Switch to the third SET UP MENU to select the "REMOTE CODE SELECT".**

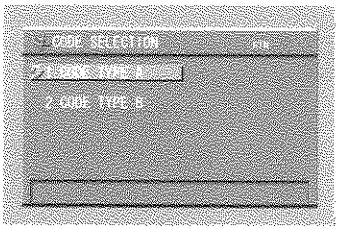
"REMOTE CODE SELECT" is indicated in blue.
(For details, see page 41.)

2 **Click the joystick.**

Code type selection menu is displayed.

3 **Move the joystick up/down to select the desired code type.**

The currently set code type is indicated the mark "■". The code type selected with the joystick is indicated in blue.



4 **Click the joystick.**

The selected code type is set.

Note:

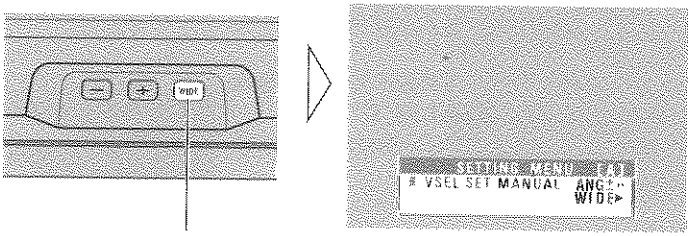
- Pressing the RETURN button takes you back to the previous display.

Operating the Setting Menu

Entering the Display Setting Menu

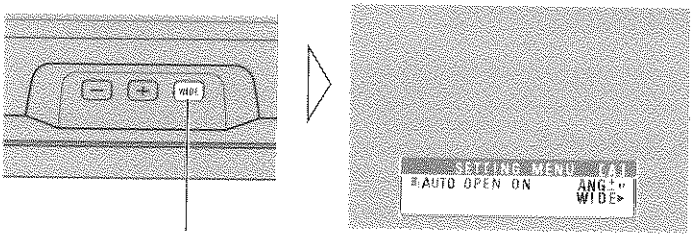
Perform display and picture setting with this menu. You cannot operate this menu with remote controller. Use the Display buttons.

1 Enter the Display Setting Menu.



Hold for 2 seconds

2 Select the desired mode in the following order:



Each press changes the Mode ...

VSEL SET → AUTO OPEN → BRIGHT → COLOR* → HUE* → DIMMER

To cancel the Display Setting Menu, press the WIDE button again for 2 seconds.

Note:

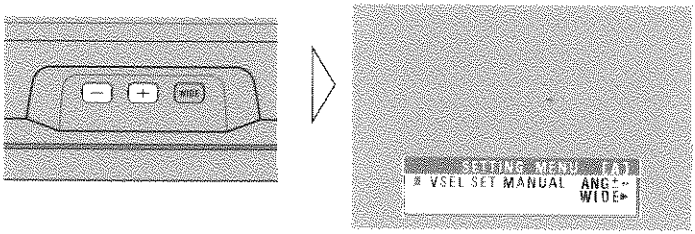
- After entering the Display Setting Menu, if you do not perfome an operation within about 30 seconds, the Display Setting Menu is automatically canceled.
- When the video source is RGB, you can not switch the "COLOR" and "HUE".

Switching the Video Select Setting

You can change the video select setting.

1 Press the WIDE button and select the video select mode (VSEL SET) in the Display Setting Menu.

2 Switch to the desired video select setting in the following order:



AUTO ↔ MANUAL ↔ AVM

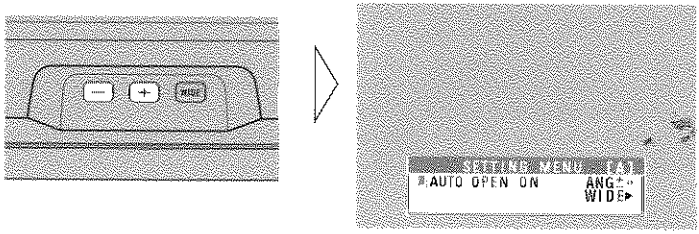
- **AUTO**
  When the Head Unit source is switched to a component connected to the AV-BUS, output automatically switches to video from that component.
- **MANUAL**
  You can switch between VTR and AV with the V.SOURCE button. (Refer to page 22.)
- **AVM**
  This prevents switching from video from a component connected to the RGB input.

Setting the Automatic Open Mode

To prevent the display from hitting the shift lever of an automatic vehicle when it is in the "P" (park) position, or when you do not wish opening/closing of the display to be carried out automatically, you can switch this function ON/OFF.

1 Press the WIDE button and select the automatic open mode (AUTO OPEN) in the Display Setting Menu.

2 Switch the automatic open ON/OFF.

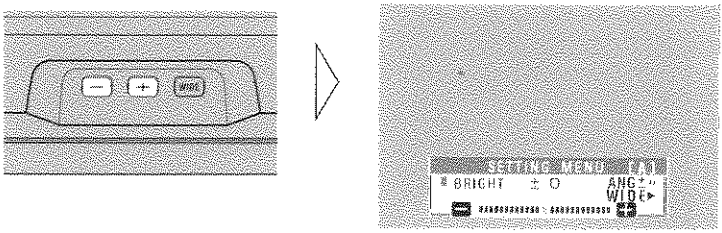


Adjusting the Bright

You can adjust the bright of the picture.

1 Press the WIDE button and select the Bright mode (BRIGHT) in the Display Setting Menu.

2 Adjust the Bright.



Note:

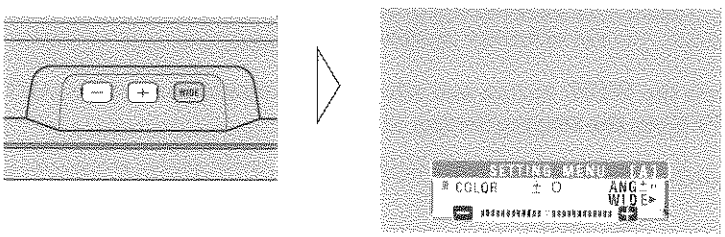
- The density of the display black can be adjusted within the range of "–24" to "+24."
- The adjustment values are recorded separately for the AV, VTR and RGB video. The adjustment values of a component (AV) connected to the AV-BUS input are also recorded separately. Adjustment values are recorded when the vehicle lights are off (bright daylight) or on (dark night) respectively.

Adjusting the Color

You can adjust the color of the picture.

1 Press the WIDE button and select the Color mode (COLOR) in the Display Setting Menu.

2 Adjust the Color.



Note:

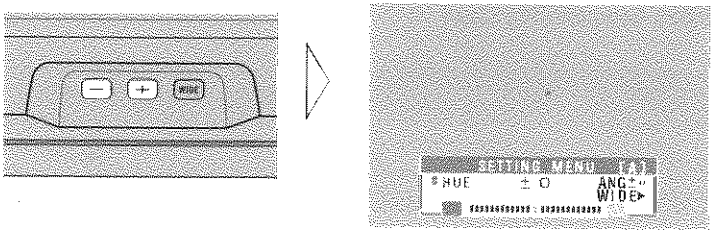
- "–24" to "+24" is displayed as it shifts from light color to dark color.
- The adjustment values are recorded separately for the AV, VTR and RGB video. The adjustment values of a component (AV) connected to the AV-BUS input are also recorded separately. Adjustment values are recorded when the vehicle lights are off (bright daylight) or on (dark night) respectively.

Adjusting the Hue

You can adjust the hue of the picture.

1 Press the WIDE button and select the Hue mode (HUE) in the Display Setting Menu.

2 Adjust the Hue.



Note:

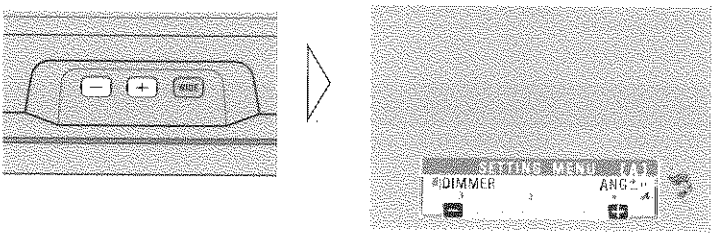
- The display changes within a range from "–24" to "+24" as the distinction of the picture changes from reddish to greenish.
- The adjustment values are recorded separately for the AV, VTR and RGB video. The adjustment values of a component (AV) connected to the AV-BUS input are also recorded separately. Adjustment values are recorded when the vehicle lights are off (bright daylight) or on (dark night) respectively.

Adjusting the Dimmer

The brightness of the LCD screen can be adjusted automatically to the brightness you set to match the ambient brightness. Separate adjustment values can be recorded for bright conditions (yellow) as well as dark conditions (blue).
The brightness of the LCD screen will be adjusted automatically in accordance with the ambient brightness based on the setting values.
The adjusted value is memorized when the setting screen disappears.

1 Press the WIDE button and select the Dimmer mode (DIMMER) in the Display Setting Menu.

2 Adjust the Dimmer.



Others

Operating with the Head Unit

This produt's some operations can be performed with the head unit.
When connected to a Pioneer Multi-Channel AV Master Unit (e.g. AVM-P9000R), refer to the AV Master Unit Owner's Manual.
When connected to the "DEX-P9R" or "DEX-P9", refer to the Head Unit's Manual.
When operating with another head unit, refer to the following Function Compatibility Chart and Function Mode Switching, and operate with the appropriate buttons.

■ Function Compatibility Chart

Function	Reference page	Button
Source switching	23	SOURCE, SOURCE/OFF
Chapter/track advance/return	25	◄/► *1
Fast forward/reverse	27	◄/► *2

*1 Operation is possible when the AUTO (A/M) mode is set to AUTO.
*2 Operation is possible when the AUTO (A/M) mode is set to MANU.

■ Function Mode Switching

When using convenient functions other than those usually used, switch the mode and operate.

1 Press the FUNCTION button.

Press the button repeatedly until the desired mode is selected.
FUNC1 → FUNC2 → FUNC3 → FUNC4 → AUTO (A/M)

2 Press the ▲ button (press the ▼ button to switch OFF).

Perform AUTO (A/M) operation with the ◄/► button.

Mode	Press the ▲ button	Press the ▲ button for 2 seconds
FUNC1	Head unit display switching	———
FUNC2	Pause (see page 29)	Random play (see page 40)
FUNC3	Scan play (see page 40)	———
FUNC4	Repeat range switching (See pages 36, 38 and 39)	———

Mode	Press the ◄/► button	Press the ◄/► button for 2 seconds
AUTO (A/M)	AUTO/MANUAL switching	———

Switching Power ON

When connected to a head unit other than a Pioneer Multi-Channel AV Master Unit (e.g. AVM-P9000R), performing the following steps switches power ON.

Switch the head unit's source to this unit.

For details, refer to the head unit's Owner's Manual.

Precaution

- You cannot switch the head unit's source with remote control for DVD player.
- When you have switched power to this unit ON by pressing the POWER button, power to this unit remains ON even if you switch power to the head unit OFF. Do not forget to switch power to this unit OFF.
- When you eject a source disc (CD or MD) selected with the head unit, power to the head unit switches OFF. Depending on the connection method, the picture on the rear display may disappear.

Using the Display Correctly

⚠CAUTION

- **If moisture or foreign matter should get inside the product, turn OFF the power immediately and consult your dealer or the nearest authorized PIONEER Service Station. Using the product in this condition may result in a fire or electric shock, or other failure.**
- **If you notice smoke, a strange noise or smell, or any other abnormal signs from the display, turn OFF the power immediately and consult your dealer or the nearest authorized PIONEER Service Station. Using the product in this condition may result in failure of the system.**
- **Do not remove the rear cover of the display, as there are high-voltage components inside which may cause an electric shock. Be sure to consult your dealer or the nearest authorized PIONEER Service Station for internal inspection, adjustments or repairs.**

Handling the Display

- When the display is subjected to direct sunlight for a long period of time, it will become very hot resulting in possible damage to the LCD screen. When not using this product, close the display and avoid exposing it to direct sunlight as much as possible.
- The display should be used within the temperature ranges shown below.
  Operating temperature range: –20 to +60° C
  Storage temperature range: –40 to +85° C
  At temperatures higher or lower than the operating temperature range the display may not operate normally.
- The LCD screen of this product is exposed in order to increase its visibility within the vehicle. Please do not press strongly on it as this may damage it.
- Do not place anything on the display when it is deployed. Also, do not attempt to carry out angle adjustment, or opening/closing of the display by hand. Applying strong force to the display may damage it.
- Do not touch the LCD screen as this may scratch it or dirty it.
- Be careful not to place anything between the display and the main body when the display is opening or closing. If an object gets between the display and main body, the display may stop working.

About the Liquid Crystal Display (LCD) Screen

- If the display is near the vent of an air conditioner when it is deployed, make sure that air from the air conditioner is not blowing on it. Heat from the heater may break the LCD screen, and cool air from the cooler may cause moisture to form inside the display resulting in possible damage. Also, if the display is cooled down by the cooler, the screen may become dark, or the life span of the small fluorescent tube used inside the display may be shortened.
- Small black dots or white dots (bright dots) may appear on the LCD screen. These are due to the characteristics of the LCD screen and do not indicate a problem with the display.
- At low temperatures, the LCD screen may be dark for a while after the power is turned ON.
- The LCD screen will be difficult to see if it is exposed to direct sunlight.
- When using a portable phone, keep the antenna of the portable phone away from the Display to prevent disruption of the video by the appearance of spots, colored stripes, etc.

Keeping the Display in Good Condition

- When removing dust from the screen or cleaning the display, first turn the system power OFF, then wipe with a soft dry cloth.
- When wiping the screen, take care not to scratch the surface. Do not use harsh or abrasive chemical cleaners.

About the Small Fluorescent Tube

- A small fluorescent tube is used inside the display to illuminate the LCD screen.
  * The fluorescent tube should last for approximately 10,000 hours, depending on operating conditions. (Using the display at low temperatures reduces the service life of the fluorescent tube.)
  * When the fluorescent tube reaches the end of its useful life, the screen will be dark and the image will no longer be projected. If this happens, consult your dealer or the nearest authorized PIONEER Service Station.

Troubleshooting

If you think there is something wrong with the unit.
Before requesting repairs, check the following chart.

If the problem remains even after checking.
Reset the unit. (See page 6.)

If the problem still remains.
Request repairs.

Common problems

Symptom	Cause	Remedy
Power doesn't switch ON. The unit doesn't operate.	Leads and connectors are incorrectly connected.	Confirm once more that all connections are correct.
	A fuse has blown.	Fix the problem causing the blown fuse, and replace the old fuse with a new one of the same capacity.
	Noise and other factors are causing the built-in microprocessor to operate incorrectly.	Press the RESET button. (See page 6.)
Operation with the remote control isn't possible. The unit does not operate correctly even when the appropriate remote control buttons are pressed.	The remote control operation mode is incorrect.	Switch to the correct remote control mode. (See page 13.)
	The remote control code is incorrect.	Make sure the remote control code selection switch setting and code type setting are the same. (Refer to pages 13 and 54).
	Battery power is low.	Load new batteries. (See page 15.)
	Some operations are prohibited with certain discs.	Check using another disc.
Playback is not possible.	The disc is dirty.	Clean the disc. (See page 11.)
	The loaded disc is a type this unit cannot play.	Check what type the disc is.
	Non compatible video system disc is loaded.	Change to a disc compatible to your video system.
There's no sound.	Connections are incorrect.	Check connections.
	With some discs, 96 kHz output is prohibited.	Switch the output setting to 48 kHz. (See page 53.)
	The unit is performing Still, Slow Motion or Frame-By-Frame playback.	There is no sound during Still, Slow Motion or Frame-By-Frame playback.

■ Common problems (continued)

Symptom	Cause	Remedy
There's no picture.	The parking brake cord is not connected.	Connect a parking brake cord, and apply the parking brake.
	The parking brake is not applied.	
The prohibited mark "⃠" is displayed, and operation is not possible.	The operation is prohibited for the disc.	This operation is not possible.
	The operation is not compatible with the disc's organization.	
The picture stops (pauses) and the unit cannot be operated.	Reading of data has become impossible during playback.	After pressing the STOP (■) button once, start playback once more.
There's no sound. Volume level is low.	The volume level on the head unit or connected component is low.	Raise the volume level on the head unit or connected component.
	The attenuator is ON.	Switch the attenuator on the head unit OFF.
There's audio and video skipping.	This unit is not firmly secured.	Secure this unit firmly.
The picture is stretched, the aspect is incorrect.	The aspect setting is incorrect for the display.	Select the appropriate setting for your display. (See page 50.)
Rear display picture disappears.	The source disc being listened to with the head unit has been ejected.	Before ejecting the disc, switch the source. This problem may occur when certain connection methods are used.
When the ignition switch is turned ON (or turned to ACC), the motor sounds.	This product confirms whether a disc is loaded or not.	This is a normal operation.

■ Problems during DVD playback

Symptom	Cause	Remedy
Playback is not possible.	The loaded disc has a different region number from this unit.	Replace the disc with one featuring the same region number as this unit. (See page 8.)
A Parental Lock message is displayed and playback is not possible.	Parental Lock is ON.	Switch Parental Lock OFF or change the level. (See page 47.)
Parental Lock cannot be canceled.	The code number is incorrect.	Input the correct code number. (See page 49.)
	You have forgotten your code number.	Press the CLEAR button 10 times to cancel the code number. (See page 67.)
Dialog language (and subtitle language) cannot be switched.	The DVD playing does not feature multiple language recordings.	You cannot switch among multiple languages if they aren't recorded on the disc.
	You can only switch between options indicated in the disc menu.	Switch using the disc menu.
No subtitles are displayed.	The DVD playing does not feature subtitles.	Subtitles are not displayed if they are not recorded on the disc.
	You can only switch between options indicated in the disc menu.	Switch using the disc menu.
Playback is not with the audio language and subtitle language settings selected in the SET UP MENU.	The DVD playing does not feature dialog or subtitles in the language selected in the SET UP MENU.	Switching to a selected language is not possible if the language selected in the SET UP MENU is not recorded on the disc.
Switching the viewing angle is not possible.	The DVD playing does not feature scenes shot from multiple angles.	You cannot switch between multiple angles if the DVD does not feature scenes recorded from multiple angles.
	You are trying to switch to multiple angle viewing of a scene that is not recorded from multiple angles.	Switch between multiple angles when watching scenes recorded from multiple angles.
The picture is extremely unclear/distorted and dark during playback.	The disc features a signal to prohibit copying. (Some discs may have this.)	Since this product is compatible with the copy guard analog copy protect system, when playing a disc that has a signal prohibiting copying, the picture may suffer from horizontal stripes or other imperfections when viewed on some displays. This does not mean this product is malfunctioning.

■ Problems during Video CD playback

Symptom	Cause	Remedy
The PBC (Playback Control) menu display cannot be called up.	The Video CD playing does not feature PBC.	This operation is not possible with Video CDs not featuring PBC.
	PBC is switched OFF.	Switch PBC ON. (See page 25.)
Repeat play and Track/Time Search are not possible.	PBC is switched ON.	Switch PBC OFF. (See page 25.)

■ Problems during Multi-Channel AV Master Unit connection

Symptom	Cause	Remedy
There's no sound.	Optical digital cables are not correctly connected.	Connect optical digital cables correctly.
	The Multi-Channel AV Master Unit is not compatible with a 96 kHz signal.	Switch the output setting to 48 kHz. (See page 53.)
Information display operation is not possible.	Indications are not the Multi-Channel AV Master Unit's information display.	Operate using this unit's information display. (See page 33.)

If You Forget Your Code Number DVD

Refer to "Changing the Level", step 3 on page 49, and press the CLEAR button 10 times. The registered code number is canceled, letting you register a new one.

Error Message

When problems occur with disc playback, an error message appears on the display. Refer to the table below to identify the problem, then take the suggested corrective action. If the error persists, contact your dealer or your nearest PIONEER Service Center.

Message (error number)	When this message is displayed	Remedy
ERROR-02	The disc is dirty.	Wipe the disc clean. (See page 11.)
	The disc is scratched.	If the disc is scratched, replace it with another. (See page 11.)
THERMAL PROTECTION IN MOTION	The temperature of this unit is outside of the normal operating range.	Wait until the unit's temperature returns to within normal operating limits.
DIFFERENT REGION DISC	The disc does not have the same region number as this unit.	Replace the DVD with one bearing the correct region number.
NON-PLAYABLE DISC	This type of disc (CD-ROM etc.) cannot be played by this unit.	Replace the disc with one this unit can play. (See page 7.)
	The disc is loaded upside down.	Check that the disc is loaded correctly.

Language Code Chart

DVD

Language (code)	Input code
Japanese (ja)	1001
English (en)	0514
French (fr)	0618
Spanish (es)	0519
German (de)	0405
Italian (it)	0920
Chinese (zh)	2608
Dutch (nl)	1412
Portuguese (pt)	1620
Swedish (sv)	1922
Russian (ru)	1821
Korean (ko)	1115
Greek (el)	0512
Afar (aa)	0101
Abkhazian (ab)	0102
Afrikaans (af)	0106
Amharic (am)	0113
Arabic (ar)	0118
Assamese (as)	0119
Aymara (ay)	0125
Azerbaijani (az)	0126
Bashkir (ba)	0201
Byelorussian (be)	0205
Bulgarian (bg)	0207
Bihari (bh)	0208
Bislama (bi)	0209
Bengali (bn)	0214
Tibetan (bo)	0215
Breton (br)	0218
Catalan (ca)	0301
Corsican (co)	0315
Czech (cs)	0319
Welsh (cy)	0325
Danish (da)	0401
Bhutani (dz)	0426
Esperanto (eo)	0515
Estonian (et)	0520
Basque (eu)	0521
Persian (fa)	0601
Finnish (fi)	0609
Fiji (fj)	0610
Faroese (fo)	0615
Frisian (fy)	0625
Irish (ga)	0701
Scots-Gaelic (gd)	0704
Galician (gl)	0712
Guarani (gn)	0714
Gujarati (gu)	0721

Language (code)	Input code
Hausa (ha)	0801
Hindi (hi)	0809
Croatian (hr)	0818
Hungarian (hu)	0821
Armenian (hy)	0825
Interlingua (ia)	0901
Interlingue (ie)	0905
Inupiak (ik)	0911
Indonesian (in)	0914
Icelandic (is)	0919
Hebrew (iw)	0923
Yiddish (ji)	1009
Javanese (jw)	1023
Georgian (ka)	1101
Kazakh (kk)	1111
Greenlandic (kl)	1112
Cambodian (km)	1113
Kannada (kn)	1114
Kashmiri (ks)	1119
Kurdish (ku)	1121
Kirghiz (ky)	1125
Latin (la)	1201
Lingala (ln)	1214
Laothian (lo)	1215
Lithuanian (lt)	1220
Latvian (lv)	1222
Malagasy (mg)	1307
Maori (mi)	1309
Macedonian (mk)	1311
Malayalam (ml)	1312
Mongolian (mn)	1314
Moldavian (mo)	1315
Marathi (mr)	1318
Malay (ms)	1319
Maltese (mt)	1320
Burmese (my)	1325
Nauru (na)	1401
Nepali (ne)	1405
Norwegian (no)	1415
Occitan (oc)	1503
Oromo (om)	1513
Oriya (or)	1518
Panjabi (pa)	1601
Polish (pl)	1612
Pashto, Pushto (ps)	1619
Quechua (qu)	1721
Rhaeto-Romance (rm)	1813
Kirundi (rn)	1814

Language (code)	Input code
Romanian (ro)	1815
Kinyarwanda (rw)	1823
Sanskrit (sa)	1901
Sindhi (sd)	1904
Sangho (sg)	1907
Serbo-Croatian (sh)	1908
Sinhalese (si)	1909
Slovak (sk)	1911
Slovenian (sl)	1912
Samoan (sm)	1913
Shona (sn)	1914
Somali (so)	1915
Albanian (sq)	1917
Serbian (sr)	1918
Siswati (ss)	1919
Sesotho (st)	1920
Sundanese (su)	1921
Swahili (sw)	1923
Tamil (ta)	2001
Telugu (te)	2005
Tajik (tg)	2007
Thai (th)	2008
Tigrinya (ti)	2009
Turkmen (tk)	2011
Tagalog (tl)	2012
Setswana (tn)	2014
Tonga (to)	2015
Turkish (tr)	2018
Tsonga (ts)	2019
Tatar (tt)	2020
Twi (tw)	2023
Ukrainian (uk)	2111
Urdu (ur)	2118
Uzbek (uz)	2126
Vietnamese (vi)	2209
Volapük (vo)	2215
Wolof (wo)	2315
Xhosa (xh)	2408
Yoruba (yo)	2515
Zulu (zu)	2621

Terms

Aspect Ratio

This is the width-to-height ratio of a TV screen. A regular display has an aspect ratio of 4:3. Wide-screen displays have an aspect ratio of 16:9, providing a bigger picture for exceptional presence and atmosphere.

Chapter

DVD titles are in turn divided into chapters which are numbered in the same way as the chapters of a book. With DVDs featuring chapters, you can quickly find a desired scene with Chapter Search.

Dolby Digital

DOLBY DIGITAL

Dolby Digital provides multi-channel audio from up to 5.1 independent channels. This system is the same as the Dolby Digital surround sound system used in theaters.
To enjoy Dolby Digital entertainment, you must connect this unit's optical digital output jacks to the optical digital input jacks of a Dolby Digital compatible amp.

DTS

dts DIGITAL OUT

This stands for Digital Theater Systems. DTS is a surround system delivering multi-channel audio from up to 6 independent channels.
To enjoy discs featuring DTS audio recording, you must connect this unit's optical digital output jacks to the optical digital input jacks of a DTS compatible amp or decoder.

Linear PCM (LPCM)

This stands for Linear Pulse Code Modulation, which is the signal recording system used for music CDs. Compared to music CDs, which feature 44.1 kHz/16-bit recordings, DVDs feature 48 kHz/16-bit – 96 kHz/24-bit recordings. The result is sound quality even higher than that provided by music CDs.

MPEG

This stands for Moving Pictures Experts Group, and is an international video image compression standard. Some DVDs feature digital audio compressed and recorded using this system.

Multi-Angle

With regular TV programs, although multiple cameras are used to simultaneously shoot scenes, only images from one camera at a time are transmitted to your TV. Some DVDs feature scenes shot from multiple angles, letting you choose your viewing angle as desired.

Multi-Audio (Multilingual Dialog)

Some DVDs feature dialog recorded in multiple languages. Dialog in up to 8 languages can be recorded on a single disc, letting you choose as desired.

Multi-Subtitle

Subtitles in up to 32 languages can be recorded on a single DVD, letting you choose as desired.

Optical Digital Output

By transmitting the audio signal as a digital signal, it's possible to minimize any loss of sound quality. Optical digital output refers to the transmission (output) of a digital audio signal via optical cable. (The amp or other component on the reception side must have optical digital inputs.)

Parental Lock

Some DVDs with violent or adult-oriented scenes feature parental lock which prevents children from viewing such scenes. With this kind of disc, if you set this unit's parental lock level, playback of scenes inappropriate for children will not be possible, or these scenes will be skipped.

Playback Control (PBC)

This is a playback control signal recorded on Video CDs (Version 2.0). Using menu displays provided by Video CDs with PBC lets you enjoy playback of simple interactive software and software with search functions. You can also enjoy viewing high- and standard-resolution still images.

Region Number

DVD players and DVD discs feature region numbers indicating the area in which they were purchased. Playback of a DVD is not possible unless it features the same region number as the DVD player. This unit's region number is displayed on the rear of the unit.

Title

DVDs have a high data capacity, enabling recording of multiple movies on a single disc. If, for example, one disc contains three separate movies, they are divided into Title 1, Title 2 and Title 3. This lets you enjoy the convenience of Title Search and other functions.

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Specifications

General

Power source .... 14.4 V DC (10.8 – 15.1 V allowable)
Grounding system ..... Negative type
Max. current consumption ..... 5 A
Dimensions
(DIN)
(chassis) ..... 180 (W) × 50 (H) × 160 (D) mm
[7-1/8 (W) × 2 (H) × 6-1/4 (D) in]
(nose) ..... 188 (W) × 58 (H) × 31 (D) mm
[7-3/8 (W) × 2-1/4 (H) × 1-1/4 (D) in]
(D)
(chassis) ..... 178 (W) × 50 (H) × 165 (D) mm
[7 (W) × 2 (H) × 6-1/2 (D) in]
(nose) ..... 170 (W) × 46 (H) × 26 (D) mm
[6-3/4 (W) × 1-3/4 (H) × 1 (D) in]
(display) ..... 169 (W) × 125 (H) × 16 (D) mm
[6-5/8 (W) × 4-7/8 (H) × 5/8 (D) in]
Weight ..... 2.0 kg (4.4 lbs)

Display

Screen size/Aspect ratio ..... 7 inch wide/16:9
(effective display area: 154 × 87 mm)
Pixels ..... 336,960 (1,440 × 234)
Type ..... TFT active matrix, transmissive type
Color system [For U.S. and Canadian models]
..... NTSC Compatible
Color system [Other area models]
..... NTSC/PAL Compatible
Operating temperature range ..... –20 to +60 °C
Storage temperature range ..... –40 to +85 °C
Angle Adjustment ..... 55 — 110°
Initial setting angle: 100°

Audio

(with DVD, at Sampling frequency 96 kHz)
Frequency response ..... 5 – 44,000 Hz
Signal-to-noise ratio [For U.S. and Canadian models]
..... 97 dB (1 kHz) (IHF-A network)
(CD: 96 dB (1 kHz) (IHF-A network))
Signal-to-noise ratio [Other area models]
..... 97 dB (1 kHz) (IEC-A network)
(CD: 96 dB (1 kHz) (IEC-A network))
Dynamic range ..... 96 dB (1 kHz)
(CD: 95 dB (1 kHz))
Distortion ..... 0.008 % (1 kHz)
Output Level ..... 1.0 V (1 kHz, 0 dB)
Number of channels ..... 2 (stereo)

Player

System ..... DVD-Video, Video CD,
Compact disc audio system
Usable discs .... DVD-Video, Video CD, Compact disc
Signal format
..... Sampling frequency: 44.1/48/96 kHz
Number of quantization bits: 16/20/24; linear
Region Number
..... For U.S. and Canadian models: 1
For European models: 2
For Southeast Asian models: 3
For South American and Oceanian models: 4

Video

Output level ..... 1.0 Vp-p/75 Ω (±0.2 V)

Note:

- Specifications and the design are subject to possible modification without notice due to improvements.

PIONEER CORPORATION
4-1, MEGURO 1-CHOME, MEGURO-KU, TOKYO 153-8654, JAPAN

PIONEER ELECTRONICS (USA) INC.
P.O. Box 1760, Long Beach, California 90801, U.S.A.
TEL: (800) 421-1404

PIONEER EUROPE NV
Haven 1087, Keetberglaan 1, B-9120 Melsele, Belgium
TEL: (0) 3/570.05.11

PIONEER ELECTRONICS AUSTRALIA PTY. LTD.
178-184 Boundary Road, Braeside, Victoria 3195, Australia
TEL: (03) 9586-6300

PIONEER ELECTRONICS OF CANADA, INC.
300 Allstate Parkway, Markham, Ontario L3R OP2, Canada
TEL: (905) 479-4411

PIONEER ELECTRONICS DE MEXICO, S.A. de C.V.
San Lorenzo 1009 3er. Piso Desp. 302
Col. Del Valle Mexico, D.F. C.P. 03100
TEL: 5-688-52-90

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